Missouri
Botanical
Garden

bulletin

Winter 2011-2012 Vol. 100, No. 1 www.mobot.org

SHOUT
SHARE
IT

photo by Koraley Northen

President's Comment

This fall, the Garden hosted its 58th Annual Systematics Symposium: Trees, in honor of the United Nations' designation of 2011 as the International Year of Forests. Systematics is the study of the diversity of life, both past and present, and the relationships among living things through time. Together with taxonomy, the closely related field of naming and classifying organisms, systematics provides the groundwork for understanding all of biodiversity, which is central to the Garden's research.

Understanding this biodiversity is only one part of the work in which the Garden engages to discover and safeguard the world's flora. This fall, we celebrated two individuals who have made great strides in the effort to promote biodiversity conservation. Beth Rothschild received the 2011 Greensfelder Medal for her work in horticulture and in support of organizations furthering global conservation and environmental protection (see page 4). Her Royal Highness Princess Basma bint Ali of Jordan received the Henry Shaw Medal, the Garden's highest honor, for her work as founder of the Royal Botanic Garden, Jordan's first national botanical garden (see page 10).

In October, I traveled to Haiti to participate in a workshop on creating that island's national botanical garden. Haiti was home to as many as 5,000 plant species but is now 98% deforested. Establishing a garden there to play a central role in safeguarding plants, people's lives, and livelihoods must become a top priority for that nation. Garden researchers work in island habitats worldwide (such as Madagascar) where plant biodiversity often represents unique species found nowhere else in the world and vital natural resources for the future. A botanical garden can function as an intensive care unit for conserving plants *ex situ* as well as protecting them in the wild.

No single institution can tackle all of this critical research and conservation work on its own, of course. For that reason the Garden follows the partnership approach, working with others on this vital work at home and abroad. Nor can the Garden continue its essential roles in research, conservation, horticulture, and education without the contributions of its loyal members. On behalf of the Garden, I thank you for your steadfast support.

Peter Wyse Jackson

Dr. Peter Wyse Jackson, *President*

As a Garden member did you know that:

- You get free admission for two adults and all children 12 and under to the Shaw Nature Reserve and Sophia M. Sachs Butterfly House?
- You get free admission to the Children's Garden all day Tuesday, and from 9 a.m. to noon, Wednesday and Saturday? *(Closed Nov. – Mar.)*
- Special members' days entitle you to exclusive events and activities, as well as free tram rides and discounts in the gift shop and café?
- You get free or reduced price admission to nearly 270 botanical gardens and arboreta across the U.S. and Canada?

These are only a few of the benefits of membership. Plus, if you upgrade your membership, you get even more! Visit us at mobot.org/membership, email membership@mobot.org, or call (314) 577-5118.

Board of Trustees

Officers

Chair
Mr. Arnold W. Donald

Vice Chairs
Mr. W. Stephen Maritz
Cheryl P. Morley

President
Dr. Peter Wyse Jackson

President Emeritus
Dr. Peter H. Raven

Members
Mrs. Walter F. Ballinger II
Catherine B. Berges
Mr. Daniel A. Burkhardt
Lelia J. Farr
Sharon D. Fiehler
Mr. Robert R. Hermann, Jr.
Mr. David M. Hollo
Mr. David W. Kemper
Mr. Charles E. Kopman
Mr. Hal A. Kroeger
Carolyn W. Losos
Mr. Daniel J. Ludeman
Mrs. Cynthia Peters
Mr. Nicholas L. Reding
Mr. Steven C. Roberts
Mrs. William C. Rusnack
Mr. Scott C. Schnuck
Mr. Rex A. Sinquefield
Nancy R. Siwak
Mr. Andrew C. Taylor
Mr. Eugene M. Toombs

Ex Officio
The Rev. Lawrence Biondi, S.J.
The Hon. Charlie A. Dooley
Dr. Myrtle Dorsey
Dr. Thomas F. George
Mr. Benjamin H. Hulsey
The Hon. Francis G. Slay
The Rt. Rev. George Wayne Smith
Mr. Richard T. Sullivan, Jr.
Dr. Mark S. Wrighton

Members Emeriti
Mr. Clarence C. Barksdale
Mr. John H. Biggs
Mr. Stephen F. Brauer
Mr. William H. T. Bush
Mr. Bert D. Condie III
Prof. Sir Peter R. Crane
Mr. L. B. Eckelkamp, Jr.
Mr. M. Peter Fischer
Mrs. Marilyn Fox
Mr. Robert R. Hermann
Mr. Edward D. Higgins
Mrs. Warren G. Keinath, Jr.
Mrs. Rosalyn H. Kling
Mr. Robert E. Kresko
June M. Kummer
Lucy L. Lopata
Mr. James S. McDonnell III
Dr. Helen E. Nash
Evelyn E. Newman
Mr. Roy Pfautch
Dr. Mabel L. Purkerson
Mrs. Lucianna Gladney Ross
Mr. Anthony F. Sansone, Sr.
Mr. Joseph F. Shaughnessy
Mr. Robert B. Smith
Mrs. Walter G. Stern
Dr. William K.Y. Tao
Dr. George E. Thoma
Mr. Jack E. Thomas
Mrs. Robert P. Tschudy
Mr. John K. Wallace, Jr.
Mr. O. Sage Wightman III
Mrs. Raymond H. Wittcoff

Honorary Trustees
Dr. Surinder M. Sehgal

Members' Board
Mrs. James E. Hullverson, *President*
Ms. Carol Agatstein
Mrs. James G. Alfring
Mr. Frederick H. Atwood, III
Mrs. Stephen F. Bowen, Jr.
Mrs. Julian L. Carr, Jr.
Mrs. C. A. Case, Jr.
Miss Kristen Cornett
Ms. Andrea Craig
Mrs. Kenneth H. Crawford
Mrs. James R. Criscione
Mrs. Clark Davis
Mrs. William E. Denning
Mrs. Henry W. Dubinsky
Mrs. Steven L. Finerty
Mrs. Jay Feurbacher
Mrs. Susan Squires Goldschmidt
Mr. Michael C. Heim
Mrs. Carl L. Hermann
Mrs. Daniel Herren
Mrs. James F. Hoffmeister
Mrs. Mark E. Hood
Mrs. Rick Jennings
Mrs. Landon Y. Jones
Mrs. David Lange
Mrs. Antonio I. Longrais
Mrs. Laurence Madeo
Mrs. Selden Martin
Mrs. Steve W. McMillan
Mrs. Shadrach F. Morris
Mrs. Jacquelin S. Naunheim
Anita D. O'Connell
Mrs. Charles W. Oertli
Mrs. Rudyard K. Rapp
Mr. Fredric Rissover
Mrs. William C. Rusnack
Mrs. Joseph F. Ruwitch
Mrs. David Sauerhoff
Mr. Ron Schlapprizzi
Mrs. Susie L. Schulte
Ms. Kathleen Smith
Ms. Celeste Sprung
Mrs. James H. Squires
Mrs. Walter G. Stern
Mrs. Kenneth F. Teasdale
Mrs. Robert P. Tschudy

Botanical Garden Subdistrict of the Metropolitan Zoological Park and Museum District
Theresa Loveless
John C. McPheeters
Marcia B. Mellitz
Martin Schweig
Pamela Shephard
Walter G. Stern
Marjorie M. Weir
Roy Jerome Williams, Sr.
Robert M. Williams, Jr.
Hillary B. Zimmerman

Non-voting advisory members:
Willie J. Meadows
Janice M. Nelson
James H. Yemm
Francis Yueh

Garden Hours

The Garden is open 9 a.m. to 5 p.m. every day except December 25.
Outdoor walking hours begin at 7 a.m. Wednesday and Saturday.

General Admission

$8 ($4 for residents of St. Louis City and County); children 12 and under are free. Garden members receive free admission (based on level).

Children's Garden: $5 for children; adults admitted free. ($3 for Garden members' children.) Members' children admitted free on Tuesdays. Open April through October.

Contact

Missouri Botanical Garden
4344 Shaw Blvd., St. Louis, MO 63110
(314) 577-5100 • www.mobot.org

On the Cover:

Poinsettia, *Euphorbia pulcherrima*.
Photo by Kimberly Bretz.

Credits

Editor: Jeff Ricker
Designer: Ellen Flesch

The *Bulletin* is a benefit of Garden membership.

The BULLETIN (ISSN 0026-6507) is published quarterly by the Missouri Botanical Garden, 4344 Shaw Blvd.,
St. Louis, MO 63110. Periodicals postage paid at St. Louis, MO

POSTMASTER: Please send address changes to Bulletin, Missouri Botanical Garden,
P.O. Box 299, St. Louis, MO 63166-0299

Sustainability Statement

The Missouri Botanical Garden *Bulletin* is printed on paper containing 100% post-consumer recycled content, that is, paper that you might have placed in the recycle bin in your home or office this year. It is manufactured using wind power, a renewable energy source. We print locally, so there is no long-haul transportation, and we're reinvesting in our community. We work hard to choose the most environmentally responsible paper around. So if you aren't quite ready to go completely electronic with our online version, you can still enjoy your paper *Bulletin* in good conscience. Once you've read it, please recycle.

photo by Brian Mueller

What's Inside…

8
Tomorrow's Environmental Scientists
Shaw Institute for Field Research trains the next generation.

10
Pioneer for Conservation
HRH Princess Basma bint Ali of Jordan receives Henry Shaw Medal.

President's Comment 2
News 4
Butterfly House 11
Shaw Nature Reserve 12
Tributes 13
Seen at the Garden 16
Events 18
Calendar 20

> ***To discover and share knowledge about plants and their environment in order to preserve and enrich life.***
> ***– mission of the Missouri Botanical Garden***

Rothschild Receives Greensfelder Medal

On September 14, the Missouri Botanical Garden awarded Beth M. Rothschild the 2011 Greensfelder Medal. Rothschild has been instrumental in furthering the efforts of several international environmental organizations focused on protecting biodiversity, and in particular plants and their habitats. Her work in the field of horticulture has contributed significantly to progress in conservation and environmental issues.

"The Greensfelder Medal is not awarded each year; rather, it is given by the Garden to an individual of remarkable merit," said Garden President Dr. Peter Wyse Jackson.

The Albert P. and Blanche Y. Greensfelder Medal was established in 1980 to recognize individuals who contribute significantly to designs for urban improvement, garden and park planning, and landscape planning.

Rothschild has led the restoration of the gardens at Waddesdon Manor, a historic home, art collection, and public garden site in Buckinghamshire that was bequeathed by the Rothschild family to the U.K. National Trust in 1957.

She is a board member and trustee of the Botanic Gardens Conservation International, which works in 120 countries worldwide to ensure conservation of threatened plants.

Nordstrom Gala Benefits Garden

A September 21 benefit gala preceding the grand opening of Nordstrom's St. Louis Galleria store raised more than $112,000 for the Missouri Botanical Garden and other St. Louis cultural institutions. The gala evening featured fashion modeling, beauty treatments, live music, dinner and dessert buffets, cocktails, shopping, and other entertainment. Nearly 1,500 guests purchased tickets to the gala event, which benefited programs at COCA Center of Creative Arts, Contemporary Art Museum, Saint Louis Art Museum, and the Garden.

MISSOURI BOTANICAL GARDEN
LANTERN FESTIVAL 燈會 2012
ART BY DAY, MAGIC BY NIGHT

presented by
EMERSON

IN TIME FOR THE HOLIDAYS: LANTERN FESTIVAL TICKETS

Looking for a last-minute holiday stocking stuffer? Tickets to the Garden's highly anticipated 2012 Lantern Festival exhibit are available for purchase now. Tickets can be purchased in person at the Ridgway Visitor Center or online at www.mobot.org/lanternfestival (click on "Tickets").

Members-only special: Purchase Lantern Festival gift certificates at the member price (*on-site sales only*). This offer is available through December only. Get yours now!

Missouri Botanical Garden
Lantern Festival
Admission

photo by Emily Amberger

New VP of Finance joins Garden

The Missouri Botanical Garden recently welcomed Richard F. Angevine as controller and vice president of finance.

Angevine has more than 30 years experience in accounting and financial management, most recently as corporate director of financial shared services at SeaWorld Parks & Entertainment, a $1.2 billion corporation spun off from Anheuser-Busch/InBev.

Angevine earned his master's and bachelor's degrees from Southern Illinois University–Edwardsville, where he was inducted into the Phi Kappa Phi honor society. He is a licensed CPA in Missouri and an adjunct instructor at Maryville University. A native of the St. Louis area, Angevine grew up in Fairview Heights, Ill.

Even while working at SeaWorld in Orlando, Angevine commuted for three years and maintained his home here, so the opportunity to join the Garden's executive staff was an exciting one. "The Garden was the one place that I really wanted to work when I returned to St. Louis," he said.

Angevine and his wife Stephanie live in Wildwood. They have two children.

Botanical Grove Development Blooming

The next phase in the Botanical Heights redevelopment adjacent to the Garden is taking shape in the form of a new green home community, Botanical Grove.

Built by Botanical Heights Homes, the new development includes a mix of 14 new and 17 renovated homes. All housing units will be LEED registered and will include geothermal heating and cooling systems as a standard feature. Rain gardens and other green features will also be included.

The Botanical Heights redevelopment is overseen by the nonprofit Garden District Commission, a community-based organization that began with support of the Garden and funding from the Danforth Foundation.

Historic Treasures
Historic Treasures

photo by Emily Amberger

Donations to help preserve the Garden's historic perimeter wall can be dropped in the kiosk at the Ridgway Visitor Center.

From the President's Kitchen

January was always marmalade-making month in the Wyse Jackson household. Bitter Seville oranges only arrived in the shops for a couple of weeks each year and my mother, and my grandmother before her, would prepare the family for the annual ritual of making the year's supply of orange marmalade. (Serving "shop marmalade" was regarded as the ultimate shame.) The tradition lives on today in my family, and I hope that you too will consider trying my family recipe.

Seville Orange Marmalade

Ingredients:

- 11–12 Seville* oranges (or 4 lbs.)
- 2 lemons
- 8 lbs. sugar
- 9 pints of water

* available seasonally from Schnucks and other area markets

Directions:

Wipe oranges and lemons, cut in half and squeeze out juice and pips. Scrape the pith from the orange halves. Put the pips and pith into a bowl and the juice into a preserving pan. Soak the pips and pith in a pint of water. Cut up the rind into chunks (cut finely or thickly depending on how you like your marmalade) and put in a pan. Cover with 8 pints of water. Steep for 24 hours.

Put the pips and pulp into a muslin bag and add to the preserving pan. Bring the contents slowly to the boil. Continue to boil slowly until a bit less than half the contents of the pan have boiled away and the peel is soft (this will take 2–3 hours). Squeeze the muslin bag well to extract all the jelly-like substance and stir into the mixture. When satisfied that the excess water has been driven off, add the sugar (warmed in the oven first). Stir until it has dissolved, then boil rapidly for about 20 minutes or until the marmalade sets when tested. The longer you boil the marmalade, the darker and thicker it will get.

Skim off the scum and pour the hot marmalade into hot, sterilized jam jars. Leave to cool a little and then stir to make sure the peel is evenly distributed throughout the jar. You can add a spoonful of Irish whiskey for additional flavor at this point if you wish. Cover, seal, and let cool. Makes about 12 pounds of marmalade.

Help Rebuild the Wall!

Part of the Garden's charm is its rich history and its ability to transport visitors from the noise of city life to quiet serenity. Central to both of those is the almost nine-foot tall, two-foot wide wall that runs along the Garden perimeter.

The limestone wall, portions of which are 155 years old, was erected during the lifetime of Garden founder Henry Shaw. Its wrought iron fencing remains one of the last examples of such work in a city once noted for its iron design.

The wall is in disrepair and at risk of collapsing in some sections. Its age and damage from weather, tree growth, sidewalk repair, and traffic vibrations, have taken their toll.

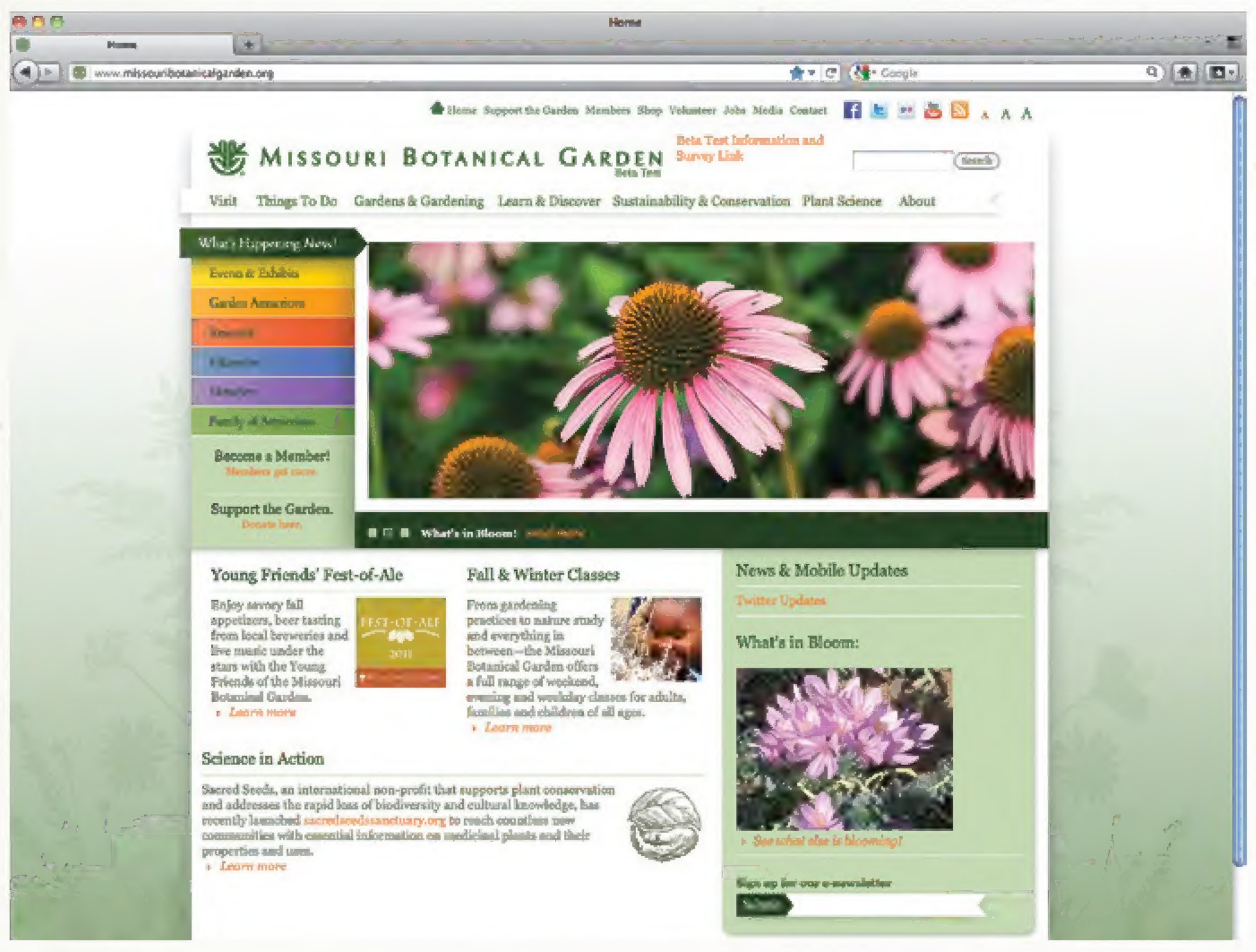
The *Save America's Treasures* grant program has awarded the Garden $529,623 to repair the wall, but there is a catch. We must raise $529,623 in matching funds in order for the grant money to be available.

Help the Garden rebuild the wall! You can contribute by dropping donations in a designated container at Ridgway Visitor Center. Or, you can send a gift to Save the Wall, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299.

Japanese Festival an ABA Top 100 Pick

The Missouri Botanical Garden's 2012 Japanese Festival has been named one of the Top 100 Events in North America by the American Bus Association. The festival will be featured on the association's website and in its annual compendium, which lists the best events for group travel in the U.S. and Canada every year.

For information on booking group tours, contact Gene Peimann or Denise Friederich at (800) 332-1286.


Home
www.missouribotanicalgarden.org
Google
Home Support the Garden Members Shop Volunteer Jobs Media Contact
Missouri Botanical Garden
Beta Test
Beta Test Information and Survey Link
Search
Visit Things To Do Gardens & Gardening Learn & Discover Sustainability & Conservation Plant Science About
What's Happening Now!
Events & Exhibits
Garden Attractions
Family of Attractions
Become a Member!
Members get more
Support the Garden.
Donate here.
What's in Bloom!
News & Mobile Updates
Twitter Updates
What's in Bloom:
See what else is blooming!
Sign up for our e-newsletter
FEST-OF-ALE
2011

Young Friends' Fest-of-Ale

Enjoy savory fall appetizers, beer tasting from local breweries and live music under the stars with the Young Friends of the Missouri Botanical Garden.

Learn more

Fall & Winter Classes

From gardening practices to nature study and everything in between—the Missouri Botanical Garden offers a full range of weekend, evening and weekday classes for adults, families and children of all ages.

Learn more

Science in Action

Sacred Seeds, an international non-profit that supports plant conservation and addresses the rapid loss of biodiversity and cultural knowledge, has recently launched sacredseedssanctuary.org to reach countless new communities with essential information on medicinal plants and their properties and uses.

Learn more

The redesigned website improves navigation and has a brighter, more colorful look.

Garden Website Gets a Makeover

Visitors to the Garden's website may have noticed a few changes lately. Collaborating with outside consultants, Garden staff have been working for more than a year on updating and redesigning mobot.org into the Garden's new website, missourbotanicalgarden.org.

The revamped site is built through a content management system, allowing for a more consistent look and feel and easier-to-follow navigation.

Visually, the site has received a major facelift to take advantage of larger modern screen sizes, and it is brighter and more colorful. The redesign extends to the Garden's family of attractions, the Shaw Nature Reserve and Sophia M. Sachs Butterfly House, which each have their own distinctive look while establishing a stronger connection to the Garden in the process.

Wyse Jackson Named to NSF Committee

Missouri Botanical Garden President Dr. Peter Wyse Jackson has been appointed to the Advisory Committee for the National Science Foundation's Directorate for Biological Sciences. The directorate supports research to advance the frontiers of biological knowledge, increase understanding of complex systems, and provide a theoretical basis for original research in many other scientific disciplines.

Committee members represent a cross section of biology with representatives from many different subdisciplines within the field.

Corporate Partner Profile: HBE Corporation

The Missouri Botanical Garden continues to thrive because of the generosity of the St. Louis community. Each year, individuals and corporations give about $7 million to the Garden, which covers close to a fifth of its operating expenses.

Among corporations whose generosity makes beautiful things possible is HBE Corporation, which has succeeded by challenging traditional concepts and industry norms in its creation of health care facilities. Headquartered in St. Louis, HBE leads the nation in providing design-build construction projects for hospitals.

Fred Kummer, founder, president, and CEO of HBE, transformed his company from a traditional contracting company to a comprehensive design-build group, which comprises every aspect of building a health care facility, including health care consultants, architects, engineers, designers, and builders.

HBE has completed more than 1,000 health care projects in every state but Alaska. *Modern Healthcare* magazine named the corporation the No. 1 design-build firm in its field.

Fred Kummer said HBE supports the Garden because it recognizes its value as a cultural center that enriches the quality of life in St. Louis. "My wife June is an avid gardener and has long been a fan of the Missouri Botanical Garden," he said. "Every time we have guests in town, every special occasion we celebrate, we go to the Garden."

HBE is among 90 companies in the Garden's Corporate Partners Program. Corporate Partners raise awareness of the Garden's horticulture, research, and education programs, and identify new ways in which the Garden and corporate community can work together.

U.S. GREEN BUILDING COUNCIL
2011
THE
EDGAR ANDERSON
CENTER
Education
Horticulture
General Operations

photo by James Trager

Rick Fedrizzi (left), president, CEO and founding chair, U.S. Green Building Council, presents the plaque for LEED Gold status to Shaw Nature Reserve Director John Behrer and Garden President Dr. Peter Wyse Jackson.

Anderson Center Earns LEED Gold Rating

The Edgar Anderson Center at the Shaw Nature Reserve has been awarded LEED Gold certification by the U.S. Green Building Council. LEED (Leadership in Energy and Environmental Design) is the nation's preeminent program for the design, construction, and operation of high-performance green buildings.

The center houses the Reserve's education, horticulture, and general operations. Features include an innovative cooling system that uses about half the energy of a conventional system, passive solar features, energy-efficient lighting, and water efficiency features.

"The Edgar Anderson Center employs several pro-sustainability features that we hope will inspire others to seek out ways to increase energy efficiency and utilize solar energy in their own homes and businesses," said Vice President of Sustainability Deb Frank.

photo by David Lampe

Garden Curator Si He was coordinator of the Moss Flora of China *project with Jia Yu of the Chinese Academy of Sciences.*

Moss Flora of China Completed

The complicated and varied terrain of China is home to approximately 2,500 species of mosses. For the first time, a comprehensive record of those species is available in English with the completion of the eighth volume of the *Moss Flora of China*.

Garden Curator Si He and Jia Yu of the Institute of Botany, Chinese Academy of Sciences, Beijing, were coordinators of the project, a collaborative effort between the Missouri Botanical Garden and the Chinese Academy of Sciences.

Very little was known about Chinese bryophytes until the 1950s, when scientists began to train and study abroad, resulting in revisions of numerous families and genera. Through the 1980s many books were published on the topic, but because they were written in Chinese they were inaccessible to Westerners.

The *Moss Flora of China* is published by the Missouri Botanical Garden Press, www.mbgpress.org.

2012 Members' Days and Events

Every month, Garden members enjoy special events, tours, and lectures. ***Join us!***

Friday, February 3	Orchid Show Preview
Saturday, February 11	Valentine's Evening
Saturday, February 18	Young Friends' Trivia Night
Tuesday, February 21	Members' Day, Greenhouse Tour
Wednesday, March 14	Members' Day, March Morpho Mania
Saturday, March 31	Eggstravaganza
Thursday, April 26	Members' Day, Herb Gardening
Friday, May 11	Members-only Spring Wildflower Sale
Tuesday, May 22	Members' Day, Lantern Festival
Tuesday, June 26	Members' Day, Daylily Gardening
Tuesday, July 17	Members' Family Picnic
Tuesday, August 28	Members' Day, Kemper Center for Home Gardening
TBD, September	Members' Herb Evening
Tuesday, October 9	Members' Day, October Owls and Orchids
Friday, October 19	Young Friends' Fest-of-Ale
Sunday, October 28	Ghouls in the Garden
Thursday, November 15	Members' Day, Holiday Decorating
Wednesday, November 28	Gardenland Express Preview
Saturday, December 1	Breakfast with Santa
Sunday, December 2	Breakfast with Santa

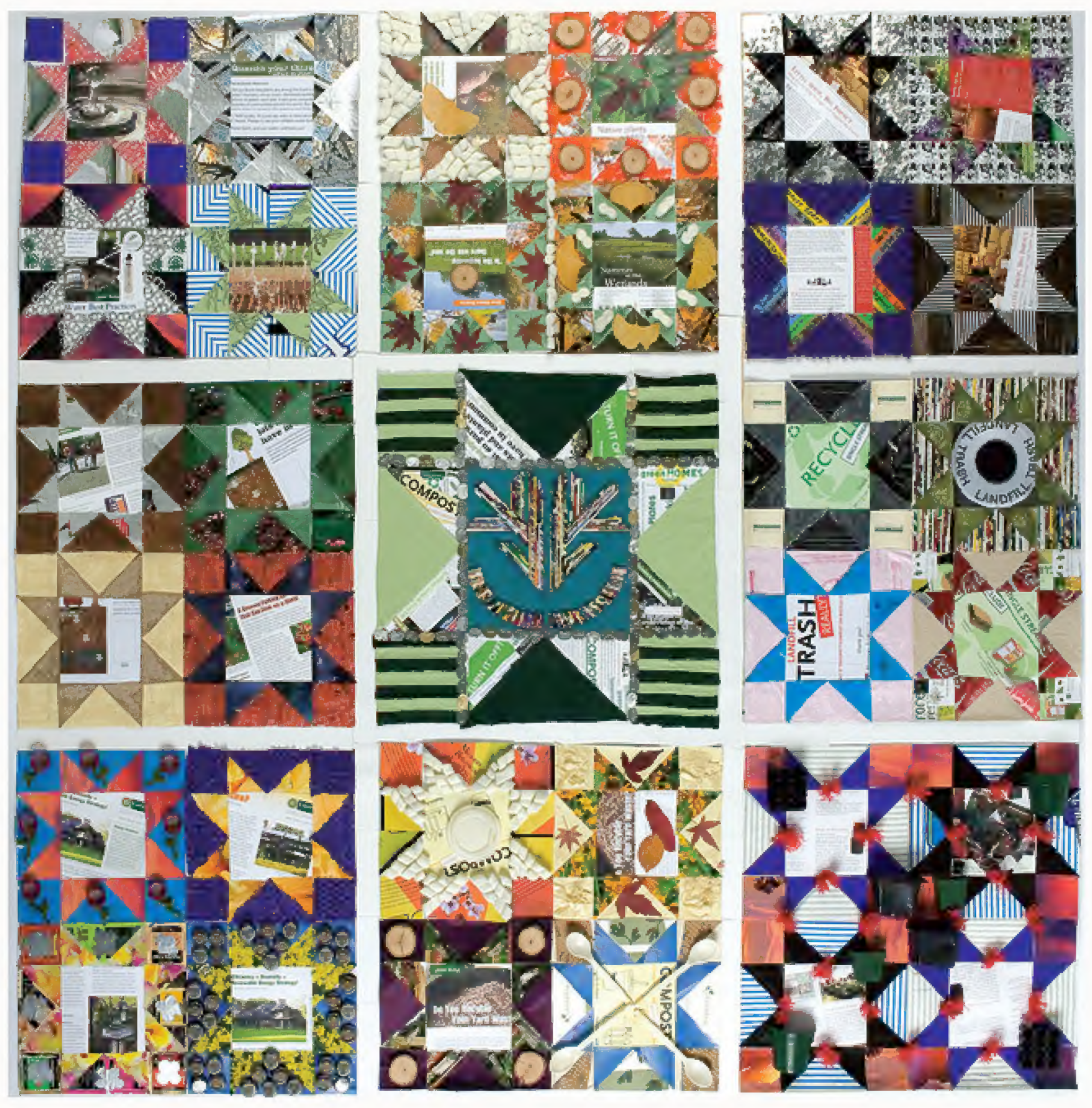


photo by Brigham Fisher

"Trash? Really?" is the title of the Green Team's artwork on display at the St. Louis Artists' Guild.

Q: Trash or Art? A: Both.

One person's trash is another person's treasure. Sometimes, it's both. The Missouri Botanical Garden's Green Team turned trash into treasure when they created a "quilt" out of refuse for "Sustainability and The Built Environment of St. Louis," a gallery show at the St. Louis Artists' Guild.

The 70-by-70-inch mixed media installation, titled "Trash? Really?" consists of discarded or recyclable items collected from around the Garden. Each of the nine squares represents an area of focus for the Green Team, including plastic pot recycling, composting, and sustainable building/construction.

The Green Team focuses on creating a more sustainable workplace and destination for visitors. According to the team's artist statement, the quilt "demonstrates the need for collaboration, communication, and creativity as important components to successfully achieve sustainability."

"Sustainability and The Built Environment of St. Louis" runs through January 7, 2012, at St. Louis Artists' Guild and Galleries, Two Oak Knoll Park in Clayton.

Shaw Institute Trains Future Field Biologists

by Lydia Toth, Senior Manager, Education, Shaw Nature Reserve

For some teens, summer is a time to take a break from the pressures of school, but for 46 area high school students, the Shaw Institute for Field Training (SIFT) this past summer provided a window into the world of environmental biology. This National Science Foundation-funded collaboration between Washington University's Tyson Research Center and the Shaw Nature Reserve engages students in scientifically based exploration of the natural world and provides field training for the next generation of environmental scientists.

During a one-week training session in June, teens are introduced to a variety of Missouri ecosystems and gain skills necessary to conduct field research, including plant and animal identification, biotic sampling techniques, testing of abiotic factors, and training in the use of geographical positioning systems.

During the rest of the summer and throughout the fall, students are paid to work with career scientists on important research and restoration activities at field research sites throughout the St. Louis area. This past summer, SIFT students could be found identifying insects for a glade study, setting up 112 artificial ponds for an aquatic plant community project, conducting a fish survey in one of the lakes at the Reserve, and testing water quality on the Meramec River. Seed collecting and tagging monarch butterflies as they migrated through to their wintering grounds in Mexico kept the students busy throughout the fall. Students also gather for several Saturday trainings and a winter overnight to share their experiences and continue their learning.

According to a recent SIFT participant, "The experience has helped me appreciate nature not only for its beauty but for its environmental significance and profound impact on human development. It's really piqued my interest in pursuing an environmental biology career."

Students who successfully complete the SIFT program are invited to apply for the Tyson Environmental Research Fellowship, a four-week immersion internship at Tyson the following summer, where they serve as part of a research team under the supervision of a faculty investigator.

"When we first developed the collaboration, one of our central questions was whether high school students and ecological researchers add value to each others' learning and work," said Project Director Susan Flowers. "The answer is most definitely yes! The researchers are grateful to have the extra help, and working with the students has enhanced their mentoring skills. The students are excited to be participating in original research and have been given front row seats for an important science career path."

The program will be accepting applications for the 2012–2013 team of students beginning January 1, 2012. For more information and to download an application form, visit www.so.wustl.edu/students/biology_research.

photos by Lydia Toth

“The experience has helped me appreciate nature not only for its beauty but for its environmental significance and profound impact on human development. It’s really piqued my interest in pursuing an environmental biology career.”

Students in the Shaw Institute for Field Training engage in a range of activities including water quality testing, plant inventories, and prairie studies.

Royal Botanic Garden Founder Awarded Henry Shaw Medal

photo by Josh Monken

Dr. Peter Wyse Jackson presents the Henry Shaw Medal to Her Royal Highness Princess Basma bint Ali, founder of the Royal Botanic Garden of Jordan.

Her Royal Highness Princess Basma bint Ali of Jordan didn't set out to establish her country's first botanical garden.

"I've always loved gardens, and I waited for someone to do it at home and wondered if I had to do it myself," she said. "Around 1995, that's when I decided I would do it."

When she left the military in 2000, she began a process that has taken more than a decade and, if all goes well, will see fruition at the end of 2012 when the Royal Botanic Garden of Jordan (RBGJ) opens to the public.

For her efforts, Princess Basma bint Ali has been awarded the Henry Shaw Medal by the Missouri Botanical Garden. The medal was presented October 10 at the annual Henry Shaw Dinner (see photos, page 16).

Garden President Dr. Peter Wyse Jackson played an instrumental role as secretary general of Botanic Gardens Conservation International when, at Princess Basma bint Ali's request, he helped select the location for the garden in Tell Ar-Rumman, about 20 minutes north of the capital city, Amman. "He really supported us," she said, "and without him we wouldn't be here today."

Not only does she hope that the RBGJ will play a key role in safeguarding the resource-poor nation's plant biodiversity, but that it will also educate Jordanians about the country's biodiversity and help them reconnect with nature.

"I think there is a disconnect," she said. "Our grandparents' and older generations' lives depended heavily on the environment. With modernization and industrialization, you have that disconnect. What we're trying to do is to bridge that gap and reconnect with nature."

Jordan is the third-most water scarce country in the world, up from eleventh place about 15 years ago. A small country with limited natural resources, Jordan has a flora of approximately 2,500 species representing about 152 families. Of those species, 100 are known only to Jordan.

Princess Basma bint Ali said her lifelong love of nature was fostered early on by her parents, particularly her father. "He'd help me collect seeds and help me plant them and taught me how to germinate them, and that really did have an impact."

In addition to her work as founder of the Royal Botanic Garden, Princess Basma bint Ali is also a founder and chairperson of the Royal Marine Conservation Society of Jordan, chair of the National Biodiversity Committee, and former chair of the National Environment Wildlife Society and the Red Crescent Society of Jordan. She was named a Hero for the Planet in 1998 by *Time* magazine.

Snow in the TROPICS

The paper kite (*Idea leuconoe*) conjures visions of gently floating snowflakes. Native to Southeast Asia, these large, showy butterflies are known for their unhurried flight and white wings with distinctive black markings. Paper kites are also flower lovers, feeding off sugar-rich nectar.

Normally, the Sophia M. Sachs Butterfly House is home to about 200 paper kites, but all December long visitors will enjoy more than 1,000 of the whimsical creatures in a tropical winter wonderland. The lush, 85-degree indoor conservatory will be resplendent with the addition of dozens of white orchids, contrasting with the reds and greens of the tropical foliage, trees, and other flowers surrounding the scene. Bring your camera to capture your family's perfect holiday photo! (Please no tripods, monopods, or external flash equipment.)

Visitors will also get to see a rare display of paper kite chrysalides. The chrysalis of this butterfly is very striking, with bright yellow or gold backgrounds and black spots or markings; people often wonder if they are real. They are typically hung in the behind-the-scenes butterfly laboratory, but during December visitors will be able to see a collection of these ornamental wonders.

Children can create butterfly- and winter-themed crafts on Saturdays, December 3, 10, and 17 from 10 a.m. to 12:30 p.m. Stop by the Lopata Learning Lab to make a shiny, glittery gift for someone special—or to keep!

During your visit, browse the Madame Butterfly Gift Shop for a unique holiday present, including butterfly-inspired home accents, toys, books, and other souvenirs for all ages.

Snow in the Tropics runs December 1 through 31 from 9 a.m. to 4 p.m. daily, Tuesdays through Sundays. The Butterfly House is closed on Mondays and on Christmas Day, December 25.

About the Paper Kite

The black and white markings, coupled with the slow flight, tell potential predators this butterfly is quite unpalatable. This sort of obvious advertisement of distaste is called *aposematism*. Paper kites are members of the subfamily Danainae, many of whom are chemically protected by the plants the caterpillars feed on. (Monarch butterflies are also in this subfamily.) The Butterfly House receives its paper kites from two sources: London Pupae Supplies of Los Angeles and Tropical Entomological House in Malaysia.

Hot! Hot! Hot!

Saturday and Sunday, January 28 and 29, 2012 from 11 a.m. to 2 p.m.

Shake off those cold-weather blues at the Butterfly House's annual wintertime event. This tropical-themed, kid-friendly fest features fun, educational crafts, and games suitable for children ages 3 to 8. Dance to the groovy tropical sounds of live steel drums, hit the "beach" to build a sandcastle in the toddler sandbox, and get your face painted in exotic colors. Hot! Hot! Hot! activities are included with Butterfly House admission.

Butterfly House

The Butterfly House Conservatory will be closed for annual pruning and maintenance February 6–9. We will reopen Friday, February 10.

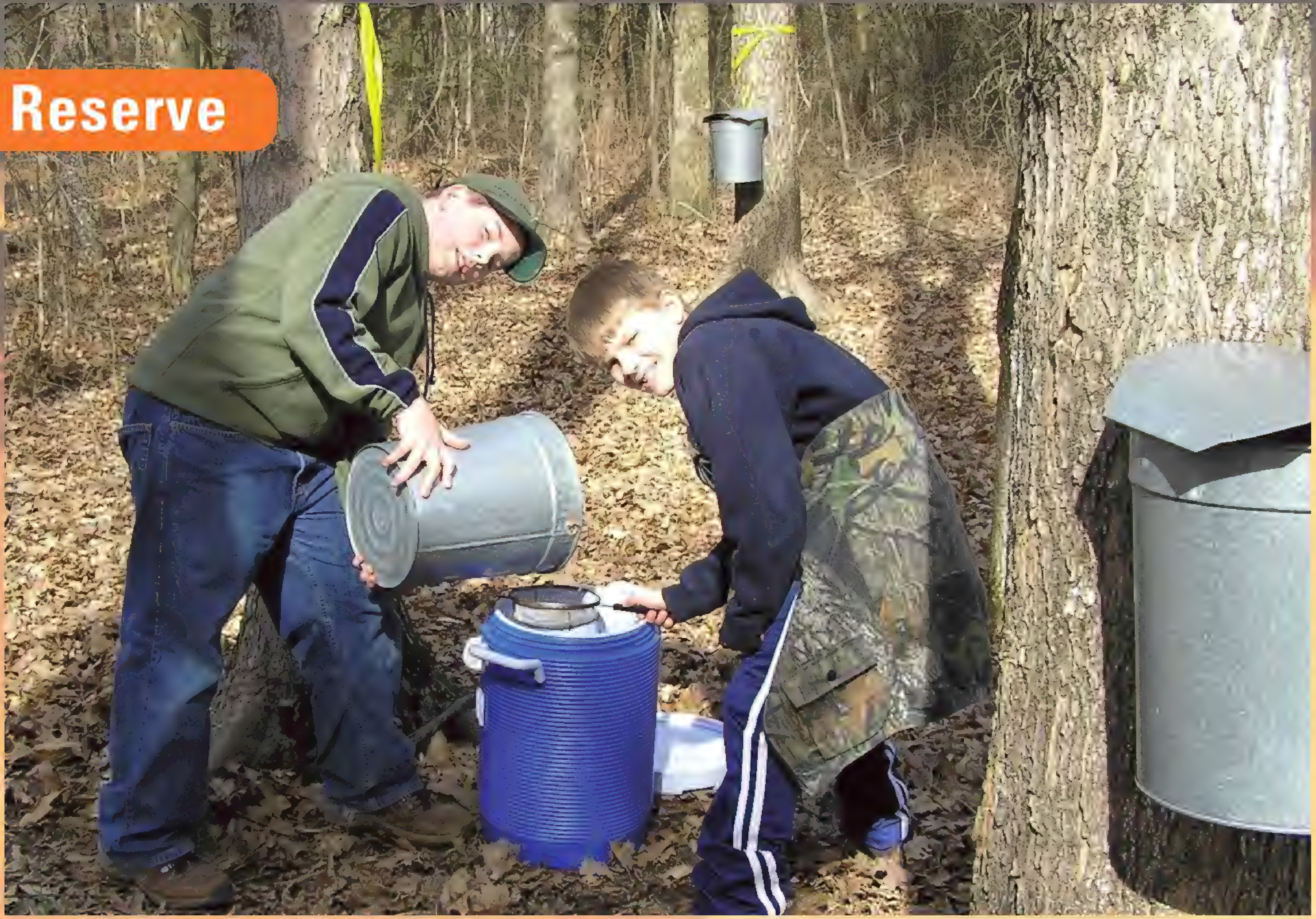
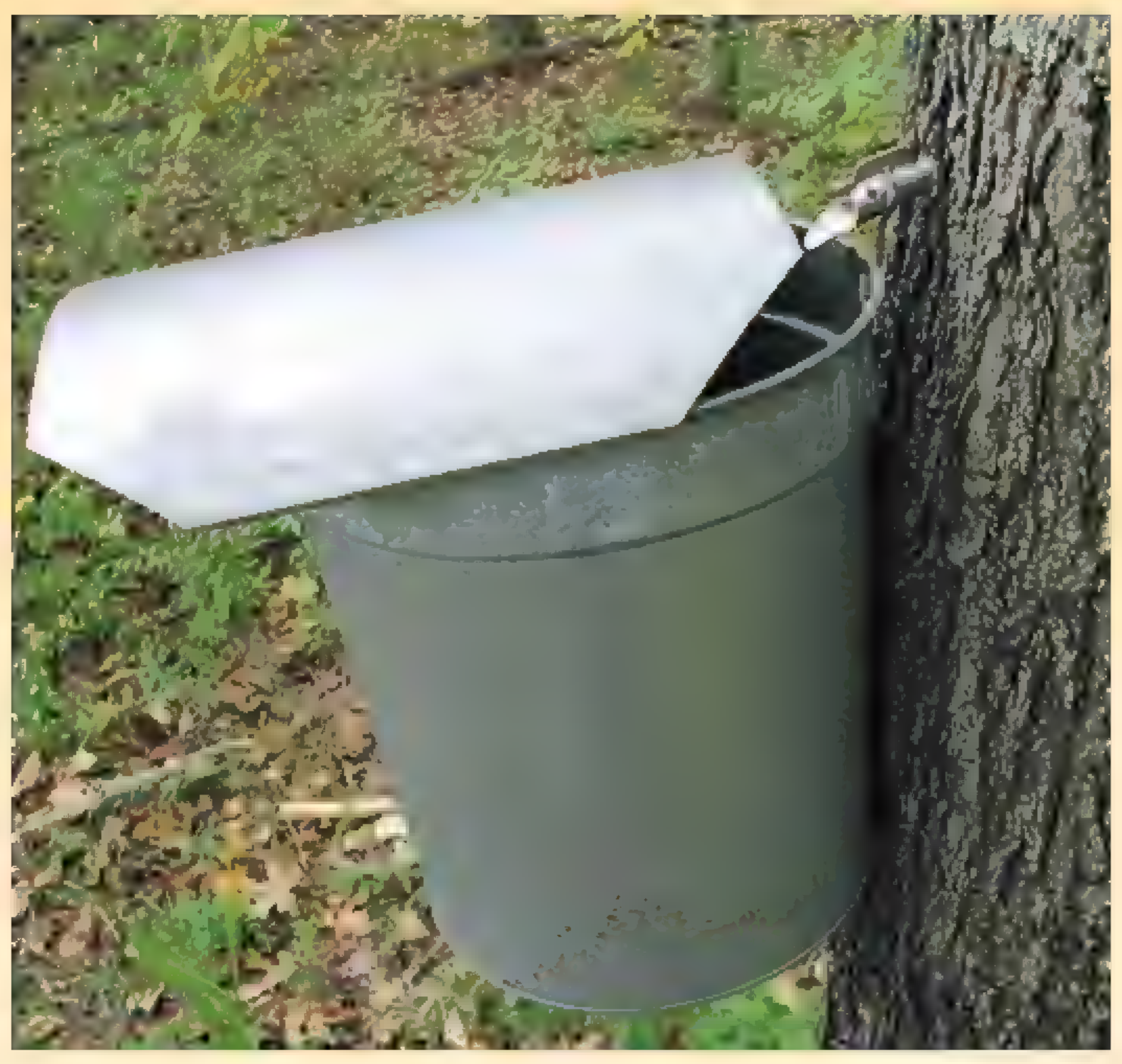


photo by Lydia Toth

Students collect sap from sugar maples (*Acer saccharum*).

How Sweet It Is!

It's a cold, sunny day and snow is threatening; the clanking of buckets can be heard through the woods as the sap buckets are being emptied. In the distance, steam is rising from the evaporator pan as the sap is boiling down.



Buckets hang from the metal spouts, called spiles, which are used to collect the sap.

Images of New England come to mind, but this sap is being collected by school children at the Shaw Nature Reserve. In preparation for these programs offered throughout the month of February, Reserve staff sterilize the required equipment and select sugar maple trees (*Acer saccharum*) to use. Holes are drilled into the trees at a slight upward angle about two inches deep, and metal spouts, called spiles, are inserted into the holes. Buckets are then hung from hooks on the spiles, and the sap is collected each day to prevent fermentation. On a good day, it's not unusual to find the three-gallon buckets filled to the top.

Classses on maple syrup are offered for 4th–8th grade school groups. To register for February 2012 classes, call the Reserve at (636) 451-3512.

Through hands-on activities, students learn about the science of maple sugar, get a demonstration on how to collect the sap, and then are off in teams to check the buckets. They are often surprised when they first peer into the bucket and see the clear watery sap, not the gooey brown syrup that they expected. They've yet to discover that the principle of making maple syrup is concentration through evaporation. The sap is poured into the evaporator, which sits over a roaring fire. Only after most of the water has evaporated from the sap and the temperature reaches 219° F do we have finished maple syrup—a saturated sugar solution that is about 67 percent sugar.

Once you've made a batch of maple syrup, it's easy to understand why it is so expensive. It takes physical effort, as well as 40 gallons of sap and a cord of firewood, to make a gallon of pure maple syrup. A more fitting name for the syrup might be "liquid gold." But, oh, how sweet it is!

This program for the 2010–2011 school year was funded in part by the Mysun Charitable Foundation.

Tributes

July through September 2011

A tribute gift to the Garden is a wonderful way to honor family and friends. Tributes of $25 or more are listed in the *Bulletin*. If you have questions regarding giving opportunities at the Garden, please call (314) 577-0805. You can also make a tribute gift online at our website, www.mobot.org.

In Honor of

Dr. and Mrs. Bruce Allen
Dr. Ronald A. Pursell

Mrs. Edna Belcher
Ms. Sharon Belcher and family

Dr. Clifford Bellone
Mrs. Phyllis L. Weber

Mrs. Sherry Boland
Mr. Andrew T. Peaslee

Mr. and Mrs. Stephen F. Brauer
Mr. and Mrs. Fielding Lewis Holmes

Mr. and Mrs. David Doering
Mr. Michael J. McSorley

Mrs. Joyce K. Driemeyer
Mrs. Sondra E. Ellis

Mrs. Mildred C. Egart
Mr. Phillip Egart

Mr. and Mrs. S. Leslie Flegel
Mr. and Mrs. Walter G. Stern

Dr. Joseph R. Gary
Mr. and Mrs. Gareth Ferdum

Mr. and Mrs. L. J. Georger
Mr. and Mrs. Loren R. Rutledge

Mr. Richard A. Glenn
Mr. and Mrs. Tyree C. Derrick, Jr.

Mr. and Mrs. Larry Glynn
Ms. Andrea J. Craig

Mrs. Martha Goldman
Dr. Brigitte M. Schweich

Mr. Travis Hall
Ms. Sandi Wood

Mrs. Suzanne Hoffman
Mrs. Suzy Seldin

Ms. Virginia G. Hrevus
Ms. Jackie Juras

Mrs. Laure B. Hullverson
Mrs. and Mrs. Jason Reed

Mrs. LaVerne N. Jaudes
Mrs. Sondra E. Ellis

Wes and Tara Johnson
Mr. and Mrs. Raymond W. Snelling

Mrs. Ellen E. Jones
Missouri Botanical Garden Members' Board

Mr. and Mrs. Gene Katz
Mrs. Gloria Jean Sirkin

Mr. and Mrs. Mark Koenig
Dr. Oscar H. Soule

Dr. Lee M. Liberman
Dr. and Mrs. Murray Weidenbaum

Lindsey and Charles
Mr. and Mrs. Sam J. Rosenbloom

Rabbi and Dr. Jay N. Lyons
Ms. Martha S. Gersten

Ms. Kathleen Marks-Petetit
Ms. Margaret M. Adams

Mr. and Mrs. Guy McClellan
Mr. and Mrs. Julian Edison

Mrs. Dorothy M. Moore
Ms. Sarah Bakewell and family

Ms. Luanne O'Shea
Mr. and Mrs. Dave Lyons

Mrs. Mary Ott
Mr. and Mrs. Julian Edison
Mrs. Caroline M. Sant

Mr. Gregg Ott and Mr. Lewis Kalmbach
Mr. and Mrs. Gene S. Kahn

Mr. Roy Pfautch
Mr. and Mrs. A. Charles Hiemenz III

Mrs. Joyce Pluhar
The Sissons

Dr. Peter Raven
Dr. Brent Elliott
Dr. and Mrs. Fred W. Gaskin
Novus International, Inc.

Dr. Patricia Raven
Dr. and Mrs. Thomas A. Woolsey

Mr. and Mrs. Murray Renick
Mr. and Mrs. John Renick

Mr. Anthony Sansone, Sr.
Mr. and Mrs. Gary Hartogh

Mr. Steve Schankman and Ms. Katie Ryan
Mr. and Mrs. Richard Halpern

Dr. E. Robert Schultz
Dr. and Mrs. Joseph K. McKinney

Mrs. Nora Stern and Mrs. Ellen Dubinsky
Mrs. James G. Alfring
Mr. and Mrs. Julian L. Carr, Jr.
Mrs. Ann L. Case
Ms. Andrea J. Craig
Mr. and Mrs. Kenneth H. Crawford
Mr. and Mrs. Clark S. Davis
Mr. and Mrs. William E. Denning
Mr. and Mrs. Derick Driemeyer
Mr. and Mrs. Joseph A. Fresta
Mr. and Mrs. Carl L. Hermann
Mr. and Mrs. Mark E. Hood
Mr. and Mrs. James E. Hullverson, Jr.
Mr. and Mrs. Richard Jennings
Dr. and Mrs. David R. Lange
Dr. and Mrs. Antonio I. Longrais
Mrs. Carol B. Loeb
Laurence and Silvia Madeo
Mrs. Jacquelin S. Naunheim
John and Anita O'Connell
Mr. and Mrs. Charles W. Oertli
Mr. and Mrs. Rudyard K. Rapp
Mr. and Mrs. William C. Rusnack
Mr. and Mrs. Ron Schlapprizzi
Mr. and Mrs. Robert N. Schulte
Mr. and Mrs. Edwin A. Sprung
Mr. and Mrs. Kenneth F. Teasdale
Mr. and Mrs. Robert P. Tschudy

Dr. James C. Trager and Ms. Jan Takacs
Ms. Gessica Johnston
Ms. Helen McCallie

Mr. and Mrs. Robert L. Underwood, Jr.
Mr. and Mrs. James H. Clark

Margaret Weisbrod
Mr. and Mrs. William K. Becker

Mr. Carl R. Wienold
Dr. Susan Isenberg

Mr. and Mrs. Jake Zimmerman
Mrs. Gloria Jean Sirkin

In Memory of

Mr. James E. Adams
Mrs. Suzanne E. LeBeau Moffitt

Mr. Richard Barrett
Mr. and Mrs. Donald R. Hemmer

Mrs. Helen Bilyk
Mrs. Marian R. Dean

Ms. Eileen P. Browner
Washington University ACTU

Mrs. Georgjanna "Jan" Buckland
Mr. George K. Hasegawa
Japan America Society of St. Louis Womens Association
Mr. and Mrs. Takumi Tanabe

Miss Betty Ann Butts
Mr. and Mrs. Corky Kinyon

Mr. William Carter
Mrs. Denise Haddix

Phillip Chapman
Mr. and Mrs. David J. Chapman and family, Mr. and Mrs. Norman Butler, and Mrs. Bonnie J. O'Brien
Mr. and Mrs. W. David Chapman
Mrs. James E. Fowler
Mr. John Parker and Ms. Dotty Brown

Mr. Jules Chasnoff
Mrs. Patience Chrisler
N. J. Geraci and Pat F. Geraci
Mr. and Mrs. Jarvis W. Lambert
Mrs. Kathleen M. Luna

Mrs. Troy W. Cole
Mrs. Betty J. Cole

Mr. Roy Cooper
Dr. Christine M. Roman

Mrs. Kathryn Cox
Mr. David R. Ganz

Mrs. Marion Etta Cross
Mr. and Mrs. Martin Kocman

Mrs. Martha De Greeff
Mr. and Mrs. Louis E. De Greeff
Mr. and Mrs. Ted E. Dennison
Mr. and Mrs. Robert Dobsch
Ms. Eunice Elbert
Houston Promotional Products
Mr. and Mrs. Larry Pittman
Mr. and Mrs. William Turney

Mrs. Thecil M. Deitchman
Mrs. Julie Thomas

Mrs. Judy Dempcy
Cis, Tom, and Laura Hollenkamp
Bob, Paula, Kirk, Colin, and Megan Nesbit

Mr. Joseph E. DiCampo
Mr. and Mrs. Donald R. Reynolds

Mrs. Norma S. Downey
Mrs. Neal T. Dohr

Mr. Nathaniel Briggs Durfee III
Mrs. Marilyn J. Boettcher
Dr. and Mrs. William M. Fogarty, Jr.
Ms. Jackie Juras

Carol Elovirta
Mr. and Mrs. James E. Clark, Jr.

Mr. Andrew T. Esker
Mrs. Dolores M. Wente

Mr. Terry Galganski
Missouri Botanical Garden Volunteer Instructors

Mr. Edger Gearhart
Mrs. Barbara Ackerman
Mrs. Sandra Soetebier

Mrs. Jane M. Goetz
Mr. Daniel H. Goetz

Benjamin Golden
Mrs. Zenia Roberts

Lenny J. Gregory III
Regan and Nabil Cabbabe

Lou Hapip
Mrs. Sandra Mawhinney

Margaret J. Harman
Laura and daughters – Inger, Amy, Bridgit, and Nina

Joe Lea Hayes
Mr. and Mrs. Jerry Fischer

Mrs. Darlene Heapes
Mr. and Mrs. Alfred Roehm

Eloise Heaps
Mrs. Judith A. Grabbe

Mrs. Dolores Herleth
The Gadells
Mr. and Mrs. Walter G. Stern

Mrs. Sally Keyes Hermann
Mr. and Mrs. H. Pharr Brightman
Mrs. Margaret P. Collins
Mr. and Mrs. Alexander M. Cornwell, Jr.
Mrs. Donald Danforth, Jr.
Mr. and Mrs. James H. Howe III
Mississippi Valley Nurserymen's Cooperative
Mr. and Mrs. Walter G. Stern
Ms. Clara H. von Gontard Steinlage

Mrs. Bernice Hilgendorf
Mr. and Mrs. Ronald Peters

Mrs. June Hill
Mr. and Mrs. Steven Collins

Mrs. Sarah F. Hock
Ms. Jackie Juras

Mr. Edward J. Hoffner
Ms. Mary Bauer

Mr. George C. Hubel
Miss Ann Hubel

Mr. William Hunt
Lents & Associates

Mr. William B. Hyland
Dr. and Mrs. Gary Kulak

Mr. Joseph F. Imbs II
Mrs. Barbara W. Sippel
Mr. and Mrs. Walter G. Stern

Mr. Randall Jones
Mr. and Mrs. Nick Matteucci

Mrs. Mike Jorgenson
Dr. and Mrs. Stanley London

Betty Kamer
Mr. and Mrs. Donald Hardin

Homa Javaheri Kazemi
Mrs. Manijeh B. Manoocheri, Zizi Khodadad, Guity Razavi, Nazanin Azarnia, Hahid Aram, and Marium Ghazi

Your beloved sister, Kiki
Mr. and Mrs. Bernard M. Waxman

Mrs. Marian E. Kirby
Ellen and Henry Dubinsky
Ms. Jackie Juras
Mr. and Mrs. Walter G. Stern

Dr. Jason Klostermann, D.C.
Mr. and Mrs. W. O. McConnell

Mr. Vernon Knobbe
Mr. and Mrs. C. A. Case, Jr.

Mrs. Ann DePew Laird
Ms. Jackie Juras

Ms. Nancy Lammers
Mr. Paul E. Lewis

Mr. Robert Ellis Landram
Ms. Mary V. Parker

Dr. W. Edward Lansche
Mr. Howard J. Wilkinson, Jr.

Rosa Lee Lazarus
Ms. Martha S. Gersten

Mr. Ron Lindemann
Mrs. Cecilia Lindemann

Mr. Frederick A. Loesel
Ms. Lisa Story
Dr. Teresa Wright

Mrs. Jane R. Louis
Mrs. Marian R. Dean

Dr. Herluf G. Lund
Dr. and Mrs. James A. Willibrand

Mr. Douglas Blanke MacCarthy
Andres Carpet Service Co.
Mr. and Mrs. Van-Lear Black III
Mr. and Mrs. H. Pharr Brightman
Mr. and Mrs. C. A. Case, Jr.
Mrs. Donald Danforth, Jr.
Mrs. Adele B. Dilschneider
Mr. and Mrs. Howard Elliott, Jr.
Mr. and Mrs. David C. Farrell
Greenbriar Investment Syndicate
Mr. and Mrs. Steven L. Finerty
Mrs. Ruth Forsman
Mr. and Mrs. Lucien R. Fouke, Jr.
Mrs. Charles W. Freeman
Dr. Sheila Humphreys
June and Fred Kummer
Mrs. Mary Ann Lee
Ms. Nancy D. Linn
Mr. and Mrs. J. P. MacCarthy
Mr. and Mrs. L. C. Matthews, Jr.
Mr. Frederic G. Maurer III
Mr. and Mrs. James S. McDonnell III
Dr. and Mrs. George E. Mendelsohn
Mrs. Eleanor J. Moore

Mr. James F. Mauze
Mr. and Mrs. Ted Parke
Mr. Roy Pfautch
Mr. and Mrs. Walter G. Stern
Mr. and Mrs. Sanford W. Weiss
Western Waterproofing Co. Inc.

Mr. William D. Malloy
Ms. Marian D. Flowers

Russell McDonald
Ms. Jan Simons and Mr. Charles W. Raiser

Colonel James B. Meanor, Jr.
Mr. and Mrs. John K. Stringham

Mr. Keith Mechlin
Dr. and Mrs. Richard B. Whiting

Mrs. Antoinette J. Meyers
Friends at Magellen

Ms. Cleo Miller
Mr. Harry F. Glenn

Mrs. Sherry Kay Miller
Mr. and Mrs. C. A. Case, Jr.
Greenbriar Investment Syndicate

Mrs. Marilyn Mishkin
Dr. and Mrs. Stanley London

Francine Chrisler Moloney
Ms. Claire Audrain
Ms. Kate Clarkson
Mrs. Nadine G. Donahue
Ms. Susan Faw
Dr. and Mrs. Thomas Forrester
Mrs. Julia D. Hiemenz
Mr. Briggs A. Hoffmann, Jr.
Dr. and Mrs. Maurice J. Lonsway, Jr.
Ms. Kay A. Roth
Mrs. Audrey F. Smith, Karen, and Debbie

Miss Mary Jane Moon
Jim and Rosalie Cooper

Mrs. Melanie Nelson
Mr. and Mrs. Steven D. Rush

Mrs. Julia A. Noonan
Mr. John Pearson

Miss Khyera Oliphant
Mrs. Denise Haddix

Mr. William R. Orthwein, Jr.
Mrs. Joan C. Bland
June and Fred Kummer

Mrs. Bernadette C. Ortleb
Mr. and Mrs. Gregory J. Cadice

Mrs. Elizabeth B. Orwig
Twenty Five Gardeners of Kirkwood friends and co-members

Vera Owens
Mr. and Mrs. Dean Kent

Mr. Robert E. Parks
The St. Louis Master Gardeners

Mr. Edward K. Parson, Jr.
Anonymous
Mr. Victor Abler and Mr. Darrick Beekman
Ms. Jean Adlersfluegel
Mr. Van Bramlett
Ms. Amy Bullock
Ms. Tracy Bunch
Mr. and Mrs. David Burkhouse
Mr. Ben Carrick
Dr. Andy Cheadle
Ms. Nita Cogburn
Mr. Jeff Debbs and Ms. Sue Sessa
Ms. Sarah Duffy and Mr. Ed Smith
Ms. Kathleen M. Ferrell
Dr. Bruce S. Frank and Ms. Enid Weisberg-Frank
Friends at Torre Lazur McCann
Ms. Gail Gillespie
Miss Gail Goodenow
Mrs. Sally Gower
Mr. Gary Gregg
Mrs. Susan Grinde
Jon and Judy Hesketh
Mrs. Karen Hill
Ms. Barbara Huber and Mr. John Allen
Mr. Raymond Johnson
Mr. Doug Kaufman
Koby, Audrey and Family Mok
Dr. Dustin Leach
Ms. Pippa Loupe
Ray and Jeannie Martino
Mrs. Tracy Mundt
Mr. John Murray
Mrs. Beverly Parson
PRIME
Mr. and Mrs. Michael B. Pursel
Ms. Sally Reinholdt
Mr. and Mrs. Kenneth L. Russell
Rx Mosaic Health
Ms. Nell Stuckey
TEVA Neuroscience
Mr. and Mrs. Robert L. Wegner
Mr. and Mrs. Curt Williams

Ms. Kathryn S. Phillips
Families of Mr. and Mrs. Paul Stohr, Mr. and Mrs. John Stohr, Stanley Stohr and Laura Bulgreen, and Paul Stohr and Robin Gray

Mr. Jay Picciano
Mrs. Alijda Barendregt and Nancy Barendregt

Mrs. Adele M. Pona
Ms. Faye Borth
Miss Alice Hausner
Rev. and Mrs. Carleton E. Norton

Mrs. Shirley Pupillo
Amy Allen
Mr. and Mrs. Glenn J. Brown
Barney, Judy, and Tracy Capra
The Girls
Ikenobo Ikebana Society of America, St. Louis Chapter
Ms. Jackie Juras
Dr. and Mrs. Richard H. Mitchell
The Psychiatric Center, Ltd.
Mr. and Mrs. Gerard C. Weiler

Mrs. Dodie Rahn
Mrs. Becky Juelfs
Ms. Jackie Juras

Mrs. Dorothy Reinwart
Mr. Todd O'Neill

Mrs. Barbara M. Rezny
Mrs. Nancy C. Bridwell
Mrs. Ann L. Case
Mr. and Mrs. Thomas Cobb
Mr. and Mrs. Terrence W. Dougherty
Mrs. Joyce K. Driemeyer
Mrs. Sondra E. Ellis
Melanie M. and Anthony E. Fathman, M.D.
Ms. Kathleen M. Ferrell
Dr. and Mrs. William C. Finnie
Ms. Judith A. Harmon
Mrs. Carol Higgins
Mrs. Sheila Hoffmeister
Mrs. Patricia A. Holt
Mrs. Diane Kohl
Mr. and Mrs. F. Scott Mathews
Mr. and Mrs. Gantt W. Miller III
Mrs. Barbara Ottolini
Mr. and Mrs. E. J. Palmer
Mrs. Susan M. Reed
Dr. and Mrs. Marcel T. Saghir
Mr. and Mrs. Frederick W. Scherrer
Ms. Beverly B. Schmitt
Mr. Harley M. Smith
Mrs. Nancy Thompson
Mrs. Dolores M. Wente

Mr. Julius "Bud" Rosen
Mr. and Mrs. Steven W. Grodsky

Mrs. Kay Ruffus
Mrs. Dolores M. Wente

Mrs. Frances L. Sandhagen
Mr. and Mrs. Alfred Roehm

Mrs. Ruth Sarver
Mr. and Mrs. Walter G. Stern

Mr. Robert W. Schaefer
Mr. Joseph Bassy

Mr. Richard H. Schneider
Mr. and Mrs. Walter G. Stern

Mrs. Catherine H. Schumann
Missouri Botanical Garden Docents
Mr. and Mrs. William C. Schoenhard

Mr. Alfred V. Seidel
Mr. and Mrs. Arthur E. Anselh

Mr. Keith D. Shaw
Mr. and Mrs. Richard D. Schreiber

Ms. Marcy Sheerin
Mr. Colin Abbott
Ron, Dee, Andy, and Michael Brockman
Ms. Cheryl Lloyd
Mr. and Mrs. Jerry Moore
Ms. Ann Sanderlin and Ms. Doris Grass
Bob, Sharmon, Devon, Drew, and Quinten Sarvary
Mrs. Maryalys Sheerin
Mr. and Mrs. Daniel Wollaeger

Mrs. Judith C. Shinkle
Mrs. Carol C. Bitting
Mr. and Mrs. John C. McPheeters
Ms. Clara H. von Gontard Steinlage

Mrs. Martha Laura Nicolaus Simmons
Mr. and Mrs. James H. Howe III
Ms. Clara H. von Gontard Steinlage

Ms. Sheila Small
Mr. Gregory Barnes
Mr. and Mrs. Bryan Barth
Ms. Kathryn Bolin
Mrs. Amy L. Busker
Ms. Kristine Clark
Mrs. Traci M. Clay
Ms. Joyce K. Courtney
Mr. and Mrs. Chuck Daniel
Mr. and Mrs. Roger Davenport
Ms. Libby Davidson
Miss Rhonda Gray
Mrs. Teisha Havnaer
Ms. Clarissa Joyce
Mr. Ryan O'Connell
Kimberly and Kyle Patterson
Mr. Matthew Ronken
Mr. and Mrs. Paul Seal
Shelby E. Watson

Mrs. Estalee Smith
Ms. Carol A. Gruen

Mrs. Agnes E. Snyder
Mr. and Mrs. Richard C. Bueler
Mr. and Mrs. Tim A. Grasse
Ms. Barbara Hagedorn
Mr. Richard W. Heuermann and Ms. Kathleen Price
Dr. and Mrs. David Klein
Mr. and Mrs. John K. Mischlich
Young Enterprise Systems, Inc.
Soomi Yum

Mrs. Jana Atteberry Southern
Mr. and Mrs. C. A. Case, Jr.

Mrs. Edith Jenkin Spink
Mr. Bertram B. Culver III
June and Fred Kummer
Mr. and Mrs. Joseph F. Shaughnessy

Martha Stafford
Mrs. Julia W. Merrill

Patsy Steiner
Ms. Judy Presberg

Mrs. Margaret Stellhorn
Ms. Lynn K. Silence

Mr. Arthur Stibal
Mr. James Teschner

Mrs. Joy Stites
Corinth Counseling Center

Dr. and Mrs. Raymond C. Sunderman
Miss Mary L. Sunderman

Dr. Henry A. Uhlemeyer
Dr. and Mrs. Stephen F. Bowen, Jr.
Miss Phyllis S. Calhoun
Miss Wendy Clark
Miss Alice Hausner
Mr. and Mrs. Darryl Rue
St. Luke's Hospital Laboratory

Ms. Lynn Verhage
Mrs. Patricia L. Adams

Mr. Arnold E. Wade, Sr.
Dr. and Mrs. Carl E. Fichtel

Mr. William M. Ward, Jr.
Judith Franklin Ward

Mrs. Nancy K. Werner
Mr. and Mrs. Al Judy
Mr. and Mrs. Richard W. Saffley, Mr. and Mrs. Robert Bush, Mr. and Mrs. Rob Hajicek, and Mr. and Mrs. Douglas Kellogg

Mr. Carl R. Wienold
Mrs. Susan Anderson and family
Mr. David Bartin
Mr. and Mrs. John Bauer
Mr. and Mrs. Dewitte L. Beaver
Ms. Jayme Callahan
Ms. Sandy Callahan
Mrs. Sharon Callahan
Mr. and Mrs. David G. Chaney
Ms. Betty J. DeBord, Mr. William H. DeBord, and Ms. Mary P. Mires
Florissant Fine Arts Council
Mrs. Sharon L. Greenberg
Mrs. Cassandra Halter
Mr. and Mrs. William W. Hatchel
Mrs. Becky Henderson
Ms. Jackie Juras
Mr. and Mrs. David G. Keske
Todd, Lauren, Karly, George, and Lana Keske
Mr. and Mrs. Joe Kickham
Mrs. Mary Kinsella
Mr. Grant A. Korkoyan, Jr.
Ladue Library and Technology Department
Mr. and Mrs. Jim Lindemann
Mr. and Mrs. James H. McCartney
Ms. Jo Ann Myers, Mike and Becky and children, Larry and Barb and children
Ms. Jeanne A. Neuner
Mr. L. S. Shannon
Mrs. Terri Shelton
Mrs. Lucille J. Sudol
Ms. Patricia Valenti
Mr. Dorsey Wallenmeyer
Mr. and Mrs. Luke Welch
Mr. and Mrs. Dennis Windler, Mr. and Mrs. Ryan Brinkmann, and Ms. Heidi Windler
Mr. and Mrs. Donald F. Wolf

Mrs. Greta Rae Willard
Mr. and Mrs. Lloyd A. Palans

Mrs. L. Faye Williams
Mr. and Mrs. William H. Jones, Sr.

Lora G. Williams
The St. Louis Master Gardeners

Mr. Clyde H. Wiseman, Jr.
Mr. and Mrs. Harry N. D. Fisher

Mrs. Regina Wittrock
Mr. and Mrs. Neil D. Schlichting
Mrs. Joyce A. Zerban

Create a legacy

Leaving a bequest to the Garden creates a legacy that will benefit others for generations to come. If you have already included the Garden in your estate plans, we hope that you will share this information with us. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected. Please call (314) 577-9495 for further information, or visit our website at www.mobot.org. Click on Support the Garden, then Planned Giving.

Please give to the
HENRY SHAW FUND

Garden staff hear countless questions each year from visitors captivated by what they see and inspired by what they learn. Most of the questions start with these three words: “How do you …?”

Whether they seek advice on pruning, pest management, or reducing their environmental footprint, their answer comes from an educated professional using the best tools to do the best work.

For the staff members of the Garden to continue to captivate and inspire, we now ask you: Will you support our work?

The Garden’s family of attractions welcomes nearly one million people a year. They come to be restored by the beauty and for so much more.

The Garden conducts a world-leading plant science and conservation program. The work brings great pride to St. Louis and improves the quality of life for generations to come.

Almost 90,000 schoolchildren each year come to the Garden to learn an incomparable lesson about the natural world. Couples are married here. Loved ones are memorialized. Artists create here.

All this is made possible by support from members. Please consider making a gift to the Henry Shaw Fund.

With your gift, the Garden can:

For $75

- Fund a scholarship for a student to participate in a one-night, two-day program at the Dana Brown Overnight Center at the Shaw Nature Reserve.
- Create and maintain a hanging basket for each of two seasons.
- Provide a local teacher a science curriculum kit and other tools.

For $150

- Cultivate more than 30 vegetable plants in a demonstration garden in the William T. Kemper Center for Home Gardening.
- Pay a six-week salary for a research field assistant in Madagascar.
- Provide host plants to attract butterflies to the Native Butterfly Garden at the Sophia M. Sachs Butterfly House.

Ways to give:

- Send a check using the enclosed tribute envelope.
- Call the Garden at (314) 577-5118.
- Go to www.mobot.org; click on “Support the Garden.”

Sophia M. Sachs Butterfly House Tributes & Pavers

Tributes and Pavers dedicated at the Butterfly House, July through September 2011.

To learn more about these opportunities, call (314) 577-0291 or visit www.butterflyhouse.org.

Tributes

In Memory of

Mrs. Dorothy E. Dodd
Ms. Jackie Abels
Anheuser Busch Employees Credit Union

Mrs. Ruth G. Ericson
Ms. Mary V. Parker

Mrs. Mary C. Halstead
Ms. Mary V. Parker

Ms. Lynne A. Hornberger
Center for Creative Learning
Ms. Jackie Juras

Pavers

Mary E. Blase
Mrs. Gloria M. Jones

Jane and Wayne Bennetsen
Ms. Karla G. Bennetsen

Michael Cotner
ICU Social Club
Joan Amend
Nitin Anand
Mary Beardslee
Angie Emerson
Yoany Finetti
Mary Foster Carter
Pam Hale
Darice Kelly
Barb Lamb
Beth Schneiderhahn
David Taylor
Vicki Voepel
Michelle Wheelehan

Paula Giardano
Julie Roeder Pick
Ellen Roeder
Michele Roeder

Vernon and Emma Kalkwarf
Mrs. Judith A. Rosen

Daniel R. Metz
Mr. and Mrs. Steven R. Alderson

Philip D. Rowland
Mrs. Joyce L. Abel

Cindy A. Slaten
Charlotte Brassel
Kathy Elliott
Julie Lally
Kelly Stewart

Members’ Entry Court

Bricks dedicated at the Garden, July through September 2011.

Engraved clay bricks and bronze bricks are a wonderful way to commemorate any special occasion, as well as final memorials. For additional information regarding the Garden’s brick program, please contact the Institutional Advancement Office at (314) 577-0291 or visit www.mobot.org.

Signature Bronze Bricks

Catherine Schumann Devine
Becky Brandau, Paul Hollis, and Billy
Pam Callahan and Debi Sharp
Peg Callahan
Rose and Steve Connors
Ann Eggebrecht and Jim Nyberg
Judy Eilken, George Behrens, and Lucy
Fran Glass
Marilyn Harlan
Leann Harrell
Anne Rankin and Bob Horton
Ed Schmidt and Betsey Anderson
Richard Spener and Toni Armstrong
Darlene and Jerry Sugerman
Rita Wanger and Paul Stupperich

Daniel G. Foulk
Mr. Dant Thomas Foulk

Thomas Joseph O’Shea
Mrs. Jill L. O’Shea

Lynda M. Quan
Dr. Emalie J. Burks

Gregory Paul Wayman
First Bank Co-Workers

Engraved Clay Bricks

Best of Missouri Market Staff
Ellen Dubinsky
Nora Stern

Thomas J. Comer
Mr. H. James Hoeferlin

Bill Hunt
Tommy Smith
Missouri Botanical Garden Co-Workers

Brendan and Marian Kirby
Brenda Zanola

Marianna Mercurio DHM
The Daughters of the Heart of Mary

Sister Maria Cabrini Oldani
Mr. and Mrs. Walter Kube

Edward K. Parson
Family and Friends

John and Gloria Roemerman
Carol Eshelbrenner
Ann Roemerman
Paul Roemerman
Mary Stuckey

Jana Southern
ADPi Sisters

Roberta Sprich
Mr. and Mrs. Steven F. Leer

Katherine M. Unland
Mr. and Mrs. David C. Ouhl

Changhee Yoon
Mrs. Kristine Yoon

Seen at the Garden

Mr. Nick Reding, HRH Princess Basma bint Ali, and Dr. Peter Wyse Jackson

Peg and Wally McClellan

Henry Shaw Dinner

October 10, 2011

Her Royal Highness Princess Basma bint Ali of Jordan was awarded the Henry Shaw Medal at the annual Henry Shaw Dinner. Awarded since 1893, the medal honors those who have made a significant contribution to the objectives of the Garden, including sustainability, botanical research, horticulture, or education. Princess Basma bint Ali has been a pioneer in founding the first national botanical garden in the kingdom of Jordan. (See profile, page 10.)

photos by Josh Monken

Bob Hansen, Jackie Miller, Rose Mary Neher, and Bill Miller

Ann and John Bieller and James and Jane Lammers

Pat and Phillip Henderson

Carol and Robert Powell

Laure Hullverson and Susie Schulte

Willie Meadows, Marjorie Ivey, and Dan Bergman

Helen Jenks and Ellen Jones

photos by Josh Monken

Greensfelder Medal Dinner

September 14, 2011

Beth M. Rothschild is the winner of the 2011 Albert P. and Blanche Y. Greensfelder Medal. The award was established in 1980 to recognize individuals who contribute significantly to designs for urban improvement, garden and park planning, and landscape planning. Rothschild has led the restoration of the gardens at Waddesdon Manor, a historic home, art collection, and public-garden site in Buckinghamshire bequeathed to the U.K. National Trust in 1957.

Dr. Peter Wyse Jackson and Beth Rothschild

Joy and Rick Moll

Dan and Dorothy Diehl, Mary Kathryn Peterson, and Jeet Chadha

Fest-of-Ale

October 14, 2011

More than 500 people attended the Young Friends annual sampling of the best brews that local microbreweries have to offer. Eleven local brewers were on hand offering samples of everything from ales to stouts, and attendees had a chance to enter a raffle for an iPad 2 and gift baskets of fine foods from local purveyors.

photos by Mary Lou Olson

photo by Mary Lou Olson

Events

Saturdays with Santa: Christmas Carols in the Garden

Saturdays, December 10 and 17, 1 to 4 p.m., Ridgway Visitor Center
Whisper your Christmas wishes to Santa Claus and listen to festive holiday carols. Included with Garden admission.

photo by Jean McCormack

Gardenland Express

Through Monday, January 2, 9 a.m. to 5 p.m.; closes early at 4 p.m. Christmas Eve and New Year's Eve; closed Christmas Day.
In honor of the Garden's TREEmendous year of activities, the annual holiday flower and train show celebrates "the gifting tree" by exploring the many benefits we receive from trees. Garden admission plus $5; free for members. *Sponsorship support provided by CBIZ & Mayer Hoffman McCann P.C., Central States Coca-Cola Bottling Company, and Greg and Janet Krekeler.*

Holiday Wreath Exhibit and Auction

Through December 28, Ridgway Visitor Center
Bid by silent auction on unique creations by some of the area's finest floral designers. Proceeds benefit the Missouri Botanical Garden. 9 a.m. to 5 p.m. Monsanto Hall, upper level of the Ridgway Visitor Center.

Victorian Christmas at Tower Grove House

Through January 1
"Forest Fun" is the theme as Garden founder Henry Shaw's country home is decked out for the holidays. For kids, there's storytelling on Wednesdays and Saturdays at 11 a.m. and 1 p.m., an activity corner where they can color tree-themed holiday cards to take home or donate to a nursing home, and a special Garden-themed coloring book based on the classic tale "'Twas the Night Before Christmas." Open Wednesday through Sunday, 10 a.m. to 4 p.m.; closed Mondays and Tuesdays. Closes early at 3 p.m. on Christmas Eve and New Year's Eve. Closed Christmas Day.

Holiday Trimmings at the Kemper Center

December 1 through 31, 9 a.m. to 5 p.m.
Kemper Center for Home Gardening
Come see a 12-foot balsam fir decorated with hand-crafted "gourdaments" and gourd birdhouses. All decorated gourds will be sold on Sunday, January 1 to benefit the Kemper Center.

St. Louis Holiday Historic House Tour 2011

Thursday, December 1, 3 to 8:30 p.m.
The Garden's Tower Grove House and Museum Building are among the historic buildings decked out for the holidays and featured on this year's tour. $30 for guided bus tickets; $20 self-guided map tickets. Advance registration required; (314) 421-4689. (Backup date for inclement weather: Thursday, December 8.)

Corporate Partners Day

Sunday, December 11
Corporate Partner firm employees receive free admission for two adults and all children ages 12 and under both to the Garden and the 2011 Gardenland Express holiday flower and train show with a valid corporate ID. Enjoy a 20 percent discount on new or upgraded Garden memberships and a 10 percent discount on purchases at the Garden Gate Shop. 9 a.m. to 5 p.m. For a list of current Corporate Partner firms, visit www.mobot.org/corporate/current.asp.

gift of the
GARDEN

Finish off your holiday shopping list!
Buy Garden, Garden Plus, and Family level gift memberships at 20% off December 7–11.
(Discounts apply to on-site sales only.)

2012 Orchid Show

Presented by Wells Fargo Advisors.

Saturday, January 28 through Sunday, March 25, Orthwein Floral Display Hall
Cost: Garden admission plus $5;
free for Garden members

The Garden's annual Orchid Show features 800 blooming orchids from one of the world's premier collections, presented in a lush, tropical landscape. In celebration of the Garden's "Year of China" and 25th year of work on the *Flora of China* project, this year's Orchid Show is adorned with suspended silk lanterns and infused with Chinese-themed accents.

Members' Preview:

Friday, February 3, 5 to 8 p.m.

Just for members, this special night includes shopping in the Garden Gate Shop, cash bar, and a special dinner in Sassafras.

photo by Charles Schmidt

photo by Kate Lawless

Seventh Annual Backyard Bird Festival

Saturday, February 4

Bundle up, grab your binoculars, and flock to the Garden for a bird-watching bonanza! Join fellow bird watchers of all ages for a day filled with guided birding walks, live exhibits, identification tips, and hands-on activities. Designed for children and adults of all experience levels.

Chanukah: Festival of Lights

Sunday, December 18, noon to 4 p.m., Ridgway Visitor Center

This traditional Jewish holiday celebration includes festive Israeli music and dance, a menorah-lighting ceremony, and Chanukah merchandise provided by local vendors and the Garden Gate Shop.

Kwanzaa: Festival of the First Fruits

Wednesday, December 28, noon to 4 p.m., Ridgway Visitor Center

Kwanzaa is a Swahili term meaning "first fruits," and this contemporary African-American holiday centers around the feast table of the harvest. A Kwanzaa ceremony highlights a day of storytelling, craft and jewelry displays, and authentic African drumming and musical performances.

Valentine's Night Hike

Saturday, February 11, 7 to 10 p.m., Dana Brown Overnight Center, Shaw Nature Reserve

Bundle up and spend the evening under the stars with your sweetheart, friends, or adult family members! After stargazing using our telescope (weather permitting) and enjoying the wonders of a crisp winter night, warm up with hot beverages and desserts. $29 per person. Advance registration required; www.mobot.org/classes or (314) 577-5140.

photo by Kyle Spradley

Celebrate the Gospel

Sunday, February 12, 3 p.m., Shoenberg Theater

Stirring renditions of traditional gospel favorites are presented in honor of Black History Month. Seating is limited and available on a first-come, first-served basis.

Sugared, Spiced, and Everything Iced

Sunday, February 26, 10 a.m. to 4 p.m., Ridgway Visitor Center

Bring your sweetie to see exquisitely hand-decorated cakes and cookies.

Children's Garden, Terrace Café, and narrated tram tours are closed for the season. Seasonal operations resume April 1.

Just for Members

photo by Mary Lou Olson

Breakfast with Santa

Saturday and Sunday, December 3–4, 8 to 10:30 a.m., Monsanto Hall

Visit with Santa as he makes his yearly stop at the Garden. Bring a pair of mittens or a child's hat to donate to charity. $20 for adults; $15 children ages 3 to 12; children ages 2 and under free. Seating is limited. Advance reservations required: (314) 577-9570 or www.mobot.org/membership.

Valentine's Evening

Saturday, February 11, 6 to 10 p.m., Monsanto Center, 4500 Shaw Blvd.

Enjoy a romantic dinner at the Garden and dance the night away at our most romantic event. $75 per person. Advance reservations required: (314) 577-9570 or www.mobot.org/membership.

Young Friends' Trivia Night

Saturday, February 18, 6 p.m., Monsanto Hall

Join the Young Friends of the Missouri Botanical Garden for its so-popular-it-sells-out trivia night. Bring your own food, but no outside beverages, please. Schlafly beer provided; cash bar available. Be sure to check out the silent auction! Doors open at 6 p.m.; trivia begins at 7 p.m. $300 for a table of 10. Seating is limited and advance registration required; (314) 577-9570 or www.mobot.org/membership.

Members' Day: Behind-the-Scenes Tour of the Garden's Greenhouses

Tuesday, February 21, 11 a.m.

Join Andrew Wyatt, Vice President of Horticulture, for an exclusive look at the Garden's greenhouses. Space is limited and registration required: (314) 577-9570 or www.mobot.org/membership.

December
2011

average temperature:
low 25.8°, high 42.0°
average precipitation: 2.86 in.

What's in bloom?

poinsettia

ornamental grass

holly

coral berry

winter berry

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Gardenland Express 2011 Holiday Flower & Train Show November 23 to January 2		gift of the GARDEN	Finish off your holiday shopping list! Buy Garden, Garden Plus, and Family level gift memberships at 20% off December 7–11. *(Discounts apply to on-site sales only.)*	01 ▪ Thursdays with Bugs: Animal Coloration. 1 p.m. $☎ BH ▪ Gardenland Express. Through Jan. 2. RVC ▪ Snow in the Tropics, through Dec. 31 BH ▪ St. Louis Holiday House Tour. 3 p.m. $☎ TGH, MB	02 ▪ Family Overnight Sampler. 7 p.m. $☎ SNR	03 ✿ Breakfast with Santa, 8 a.m. $☎ RVC ▪ Story time, 10 a.m. GGS ▪ Naturally Crafty. 10 a.m. BH
04 ✿ Breakfast with Santa, 8 a.m. $☎ RVC	05	06	07 ▪ Holiday Wreaths from Natural Materials. 6:30 p.m. $☎ SNR Gift membership sale	08 ▪ Holiday Wreaths from Natural Materials. 6:30 p.m. $☎ SNR	09 ▪ Buy one, get one half off sale through Dec. 24. LSAC Little Shop Buy One Get One half off sale	10 ▪ Saturdays with Santa: Christmas Carols in the Garden. 1 p.m. RVC ▪ Bee-autiful Gifts. 2 p.m. $☎ BH
11 ▪ Corporate Partners Day ▪ Kids' Bug Club: Creepy Crawlies. 2 p.m. $☎ BH Gift membership sale Little Shop Around the Corner Buy One Get One half off sale *(equal or lesser value)*	12	13	14	15	16	17 ▪ Great Green Adventures: Tropical Trek. 10:30 a.m. and 1:30 p.m. $ CHD ▪ Holiday Play-Along, Low Brass Collective. 11 a.m. ST ▪ Saturdays with Santa: Carols in the Garden. 1 p.m. RVC
18 ▪ Chanukah: Festival of Lights. Noon. RVC Little Shop Around the Corner Buy One Get One half off sale *(equal or lesser value)*	19 20% off garden equipment and holiday plants, through Dec. 24.GGS	20	21 CHANUKAH	22	23	24 CHRISTMAS EVE ▪ Garden closes at 4 p.m.
25 CHRISTMAS DAY ▪ Garden, Butterfly House are closed.	26 KWANZAA	27	28 ▪ Kwanzaa: Festival of the First Fruits. Noon. RVC ▪ Holiday wreath auction ends.	29	30	31 NEW YEAR'S EVE ▪ Garden closes at 4 p.m.

photos by Kat Douglas, Brent Johnston, Charles Schmidt, John Smelser, and Walter's Garden, Inc.

January
2012

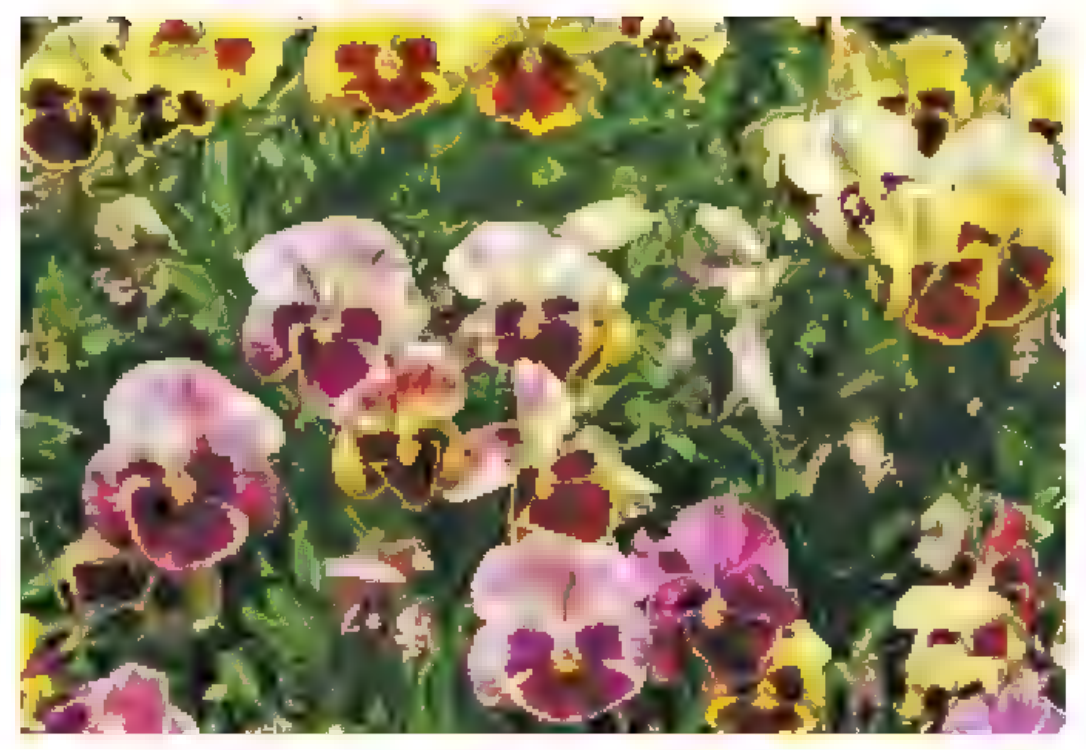
average temperature: low 21.2°, high 37.9°
average precipitation: 2.14 in.

What's in bloom?

camellia

witch hazel

powder puff


pansies

winter heath

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01 NEW YEAR'S DAY ■ Victorian Christmas at Tower Grove House last day ■ TREEmendous Interactive Discovery Center last day. BC	02 Gardenland Express Last Day! $ RVC	03 Garden Gate Shop closed	04	05 ■ Thursdays with Bugs: Butterflies Abound. 1 p.m. $☎ BH	06 ■ Basket Making Overnight. 7 p.m. $☎ SNR	07
08 ■ Kids' Bug Club: What's Bugging You? 2 p.m. $☎ BH	09 Garden Gate Shop closed	10	11	12	13	14 ■ Growing a Butterfly Garden from Seed. 2 p.m. $☎ BH
15 ■ DIY Pest Control. 2 p.m. $ ☎BH	16 MARTIN LUTHER KING, JR. DAY	17	18	19	20	21 ■ Great Green Adventures: Evergreen Trees. 10:30 a.m. and 1:30 p.m. $ CHD
22 ■ Backyard Adventures: Habitats. 1:30 p.m. $☎ BH	23 CHINESE NEW YEAR	24	25 ■ Backyard Adventures: Habitats. 9:30 a.m. $☎ BH	26	27	28 ■ Orchid Show opens, through March 25. $ RVC ■ Hot! Hot! Hot! 11 a.m. BH ■ Introduction to Herbal Soap Making. 9 a.m. $☎ SNR
29 ■ Hot! Hot! Hot! 11 a.m. BH	30	31				

KEY *(All events take place at the Garden unless otherwise noted.)*

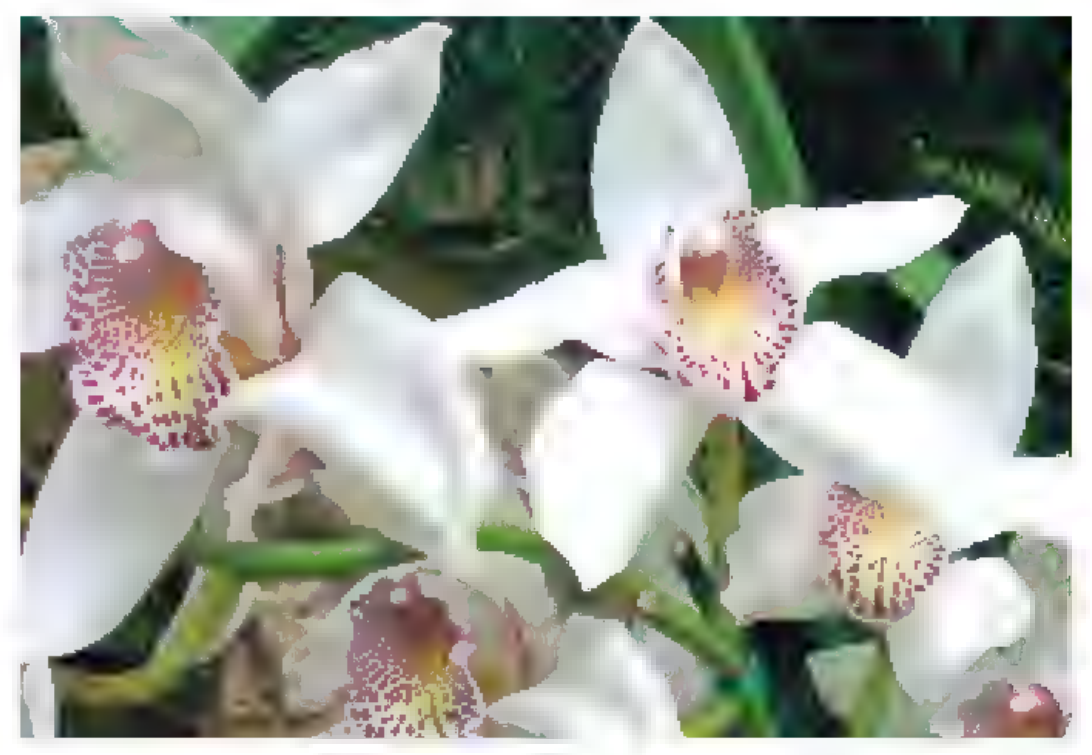
BH	Butterfly House	KC	Kemper Center for Home Gardening	SP	Spink Pavilion
CA	Cohen Amphitheater	LS	Little Shop Around The Corner	ST	Shoenberg Theater in Ridgway Visitor Center
CBEC	Commerce Bank Center for Science Education	MC	Monsanto Center	🌿	Sassafras
CHD	Children's Garden	MH	Monsanto Hall in Ridgway Visitor Center	✿	Members-only event
CL	Climatron lawn	RVC	Ridgway Visitor Center	☎	Reservations required
GGS	Garden Gate Shop	SNR	Shaw Nature Reserve	$	Fee required
JE	Jordan Education Wing in the Visitor Center				

photos by Amy Buxton, Glenn Kopp, Brent Johnston, Leslie Patrice, Kyle Spradley, and Chris Starbuck.

February
2012

average temperature: low 26.5°, high 44.3°
average precipitation: 2.28 in.

What's in bloom?


orchids

chenille plant

clerodendrum

winter jasmine

snowdrop

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Orchid Show Presented by Wells Fargo Advisors January 28 through March 25			01 🟩 Online class registration opens.	02 GROUNDHOG DAY	03 ✿ Orchid Show Members' Preview, 5 p.m.	04 🟩 Backyard Bird Festival. $☎ 🟩 It's Your Weekend Overnight. 9 a.m. $☎ SNR 🟩 Story time. 10 a.m. GGS 🟩 Naturally Crafty. 10 a.m. BH
05	06 🟩 Butterfly House conservatory closed for annual maintenance.	07 🟩 Butterfly House conservatory closed for annual maintenance.	08 🟩 Butterfly House conservatory closed for annual maintenance.	09 🟩 Thursdays with Bugs: Ecosystem Matters. 1 p.m. $☎ BH 🟩 Butterfly House conservatory closed for annual maintenance.	10 🟩 Native Plant School: Book Review 1: "Bringing Nature Home" by Doug Tallamy. 5 p.m. $☎ SNR	11 ✿ Valentine's Evening, 6 p.m., MC 🟩 Valentine's Night Hike. 7 p.m. $☎ SNR
12 🟩 Celebrate the Gospel Concert. 3 p.m. ST 🟩 Kids' Bug Club: Dragons, Houses and Other Flies. 2 p.m. $☎ BH	13	14 VALENTINE'S DAY	15	16 🟩 Native Plant School: Native Plant Propagation From Seed. 1 p.m. $☎ SNR	17 🟩 Around the World Wine Dinner, 6:30 p.m.$☎	18 ✿ Young Friends Trivia Night. 6 p.m. $☎ MH 🟩 Great Green Adventures. 10:30 a.m. and 1:30 p.m. $ CHD 🟩 Naturally Crafty. 10 a.m. BH 🟩 Midwestern Butterflies Identification Workshop. 2 p.m. $☎ BH
19 🟩 Backyard Adventures: Icky Bugs. 1:30 p.m. $☎ BH	20 PRESIDENTS' DAY	21 ✿ Members' Day: Behind-the-scenes Greenhouse Tour. 11 a.m. ☎	22 🟩 Backyard Adventures: Icky Bugs. 9:30 a.m. $☎ BH	23	24	25 🟩 Midwestern Butterflies Identification Workshop. 2 p.m. $☎ BH
26 🟩 Corporate Partners Day 🟩 Sugared, Spiced, and Everything Iced. 10 a.m. RVC	27	28	29			

photos by Carol Gravens, Glenn Kopp, Jennifer Meinhardt, Dave Merrit, Heather Marie Osborn, Charles Schmidt, and Kyle Spradley

photo by Emily Amberger

Herbal Wreaths

The Garden Gate Shop now offers an assortment of beautiful wreaths for every season. Each is made by hand from real preserved herbs and flowers grown on a 65-acre California farm. Drop shipping is available on our website. Members always receive a discount.

Story Time!

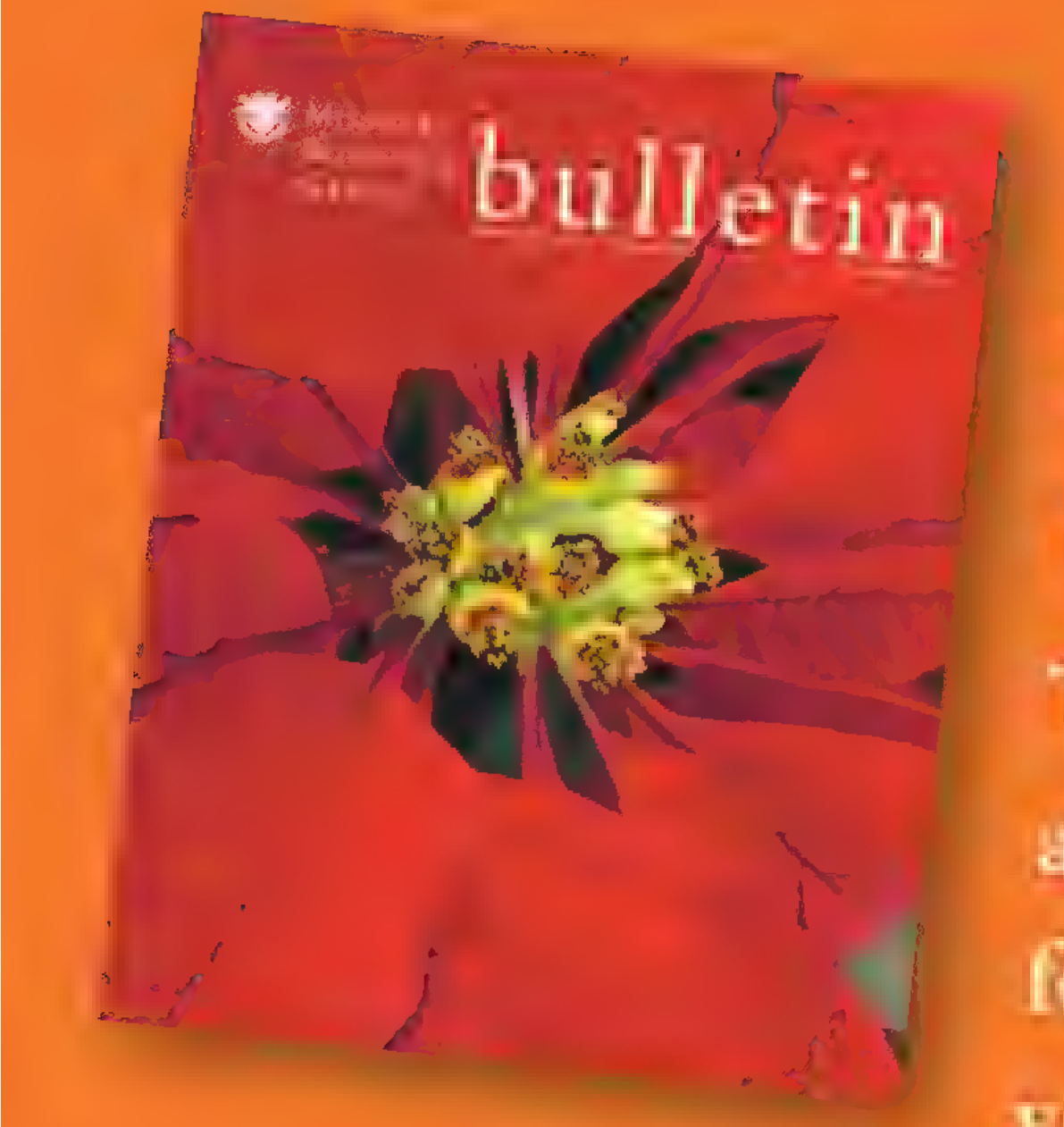
Join us and receive 20% off all children's books on story time day. Gather around the sofa in the book area at 10 a.m. to hear stories from the following great books:

December 3:
Jingle Bells—How the Holiday Classic Came to Be by John Harris, *Do Rabbits Have Christmas?* by Aileen Fisher, and *The Story of Snow—The Science of Winter's Wonder* by Mark Cassino with Jon Nelson, Ph.D.

February 4:
Just a Second by Steve Jenkins, and *The Splendid Spotted Snake* by Betty Ann Schwartz and Alexander Wilensky.

GARDEN
GATESHOP.ORG

All proceeds benefit the Missouri Botanical Garden.



Ready to Go Electronic?

The *Bulletin* is available as a downloadable PDF for viewing onscreen on your computer. Sign up for the new online version by sending an e-mail to membership@mobot.org. Let us know if you'd like to forego your paper subscription to save trees.

You can also send an e-mail to membership@mobot.org if:
- ☐ Your name is misspelled
- ☐ Your address is incorrect
- ☐ You receive more than one copy
- ☐ You no longer wish to receive the *Bulletin*

MISSOURI BOTANICAL GARDEN
P.O. Box 299 • St. Louis, MO 63166–0299

PERIODICALS
POSTAGE PAID AT
ST. LOUIS, MO

Orchid Show

January 28 through March 25

Presented by Wells Fargo Advisors.

Silk lanterns and Chinese-themed accents infuse this year's show in celebration of the Garden's "Year of China" and the 25th year of work on the *Flora of China* project.

Admission: $5 in addition to Garden admission; free for Garden members

photo by Amy Buxton

MISSOURI
BOTANICAL
GARDEN

bulletin

Spring 2012 Vol. 100, No. 2 www.mobot.org

photo by Koraley Northen

President's Comment

Change is a hallmark of spring as the Garden shakes off the cold and emerges from winter. Change will be especially noticeable this April, as construction begins on the sets for our highly anticipated *Lantern Festival: Art by Day, Magic by Night*. These larger-than-life installations will bring even bolder color to a landscape already teeming with spring blooms.

The beauty of this display also provides an opportunity to highlight the Garden's important research in China. This year marks the 25th anniversary of work on the *Flora of China*. When complete, the landmark publication will document all the known plants in the country, which is home to one-eighth of the world's plant biodiversity. Identifying and understanding this biodiversity is a critical step in safeguarding and conserving it for future generations.

A key element of the Garden's mission, and one that goes hand in hand with conservation, is sustainability. The Lantern Festival will showcase this creatively, as one of the installations will be constructed out of thousands of discarded plastic water bottles. At the end of the festival, these bottles will be recycled.

The Garden's commitment to responsible use of natural resources extends to the design and construction of our facilities as well. Recent projects have garnered awards for green building and energy-efficiency standards, including LEED certification for the renovated Spink Pavilion (see page 7) and an EnergyStar rating for the Commerce Bank Center for Science Education (see page 6).

You'll be taking part in our efforts to minimize our impact on the environment the next time you dine at our café. New equipment has been installed that will save energy, water, and money while producing more healthful and lower-fat dishes (see page 6). Missouri's first Certified Green Restaurant just got a little greener.

Peter Wyse Jackson

Dr. Peter Wyse Jackson, *President*

As a Garden member, did you know that:

- You receive free or reduced price admission for two adults and all children 12 and under to the Shaw Nature Reserve and Sophia M. Sachs Butterfly House?
- You receive free admission to the Children's Garden all day Tuesday and from 9 a.m. to noon Wednesday and Saturday? *(Closed Nov. – Mar.)*
- Special members' days entitle you to exclusive events and activities as well as free tram rides and discounts in the gift shop and café?
- You receive free or reduced price admission to nearly 270 botanical gardens and arboreta across the U.S. and Canada?

These are only a few of the benefits of membership. Plus, if you upgrade your membership, you get even more! Visit us at mobot.org/membership, e-mail membership@mobot.org, or call (314) 577-5118.

Board of Trustees

Officers
Chair
W. Stephen Maritz

Vice Chair
Cheryl P. Morley

President
Peter S. Wyse Jackson, M.A., Ph.D., FLS

President Emeritus
Peter H. Raven, Ph.D.

Members
Mrs. Walter F. Ballinger II
Catherine B. Berges
Daniel A. Burkhardt
Arnold W. Donald
Lelia J. Farr
Sharon D. Fiehler
Robert R. Hermann, Jr.
David M. Hollo
David W. Kemper
Charles E. Kopman
Hal A. Kroeger
Carolyn W. Losos
Daniel J. Ludeman
Cynthia S. Peters
Nicholas L. Reding
Steven C. Roberts
Marsha J. Rusnack
Rakesh Sachdev
Scott C. Schnuck
Rex A. Sinquefield
Nancy R. Siwak
Andrew C. Taylor
Eugene M. Toombs

Ex Officio
Rev. Lawrence Biondi, S. J.
The Hon. Charlie A. Dooley
Myrtle E.B. Dorsey, Ph.D.
Thomas F. George, Ph.D.
Benjamin H. Hulsey
The Hon. Francis G. Slay
The Rt. Rev. George Wayne Smith
Richard T. Sullivan, Jr.
Mark S. Wrighton, Ph.D.

Members Emeriti
Clarence C. Barksdale
John H. Biggs
Stephen F. Brauer
William H.T. Bush
Bert D. Condie III
Prof. Sir Peter R. Crane FRS
L. B. Eckelkamp, Jr.
M. Peter Fischer
Marilyn R. Fox
Robert R. Hermann
Edward D. Higgins
Paula M. Keinath
Rosalyn H. Kling
Robert E. Kresko
June M. Kummer
Lucy L. Lopata
James S. McDonnell III
Helen E. Nash, M.D.
Evelyn Edison Newman
Roy Pfautch
Mabel L. Purkerson, M.D.
Lucianna G. Ross*
Anthony F. Sansone, Sr.
Joseph F. Shaughnessy
Robert B. Smith III
Nora R. Stern
William K.Y. Tao, D.Sc.
George E. Thoma, M.D.
Jack E. Thomas
Jane S. Tschudy
John K. Wallace, Jr.
O. Sage Wightman III
Roma B. Wittcoff

Honorary
Surinder M. Sehgal, Ph.D.

Members' Board
Laure B. Hullverson, *President*
Mary Ella Alfring
Ann M. Bowen
Eileen M. Carr
Ann L. Case
Sue Cohen
Kristen Cornett
Andrea Craig
Jeanne P. Crawford
Janelle Criscione
Angela Dalton
Jean C. Davis
Mary Kay Denning
Ellen Dubinsky
Audrey Feuerbacher
Linda M. Finerty
Michael C. Heim
Janice A. Hermann
Lise Herren
Sheila Hoffmeister
Leslie P. Hood
Maureen R. Jennings
Ellen E. Jones
Janet B. Lange
Mary V. Longrais
Parker B. McMillan
Isabelle C. Morris
Gale Murphy
Jacquelin S. Naunheim
Mary Neher
Anita D. O'Connell
Sue B. Oertli
Sue M. Rapp
Susan N. Rowe
Sammy Ann Ruwitch
Marsha J. Rusnack
Nancy L. Sauerhoff
Ron Schlapprizzi
Susie Littmann Schulte
Kathleen Smith
Celeste D. Sprung
Carol A. Squires
Susan Squires Goldschmidt
Brent St. John
Nora R. Stern
Elizabeth Teasdale
Jane S. Tschudy
Douglas R. Wolter

Botanical Garden Subdistrict of the Metropolitan Zoological Park and Museum District
Theresa Loveless
John C. McPheeters
Marcia B. Mellitz
Martin Schweig
Pamela Shephard
Walter G. Stern
Marjorie M. Weir
Roy Jerome Williams, Sr.
Robert M. Williams, Jr.
Hillary B. Zimmerman

Non-voting advisory members:
Willie J. Meadows
Janice M. Nelson
James H. Yemm
Francis Yueh

* *deceased*

Garden Hours

The Garden is open 9 a.m. to 5 p.m.
every day except December 25.
Outdoor walking hours begin at 7 a.m.
Wednesday and Saturday.

General Admission

$8 ($4 for residents of St. Louis City and County); children 12 and under are free. Garden members receive free admission (based on level).

Children's Garden: $5 for children; adults admitted free. ($3 for Garden members' children.) Members' children admitted free on Tuesdays. Open April through October.

Contact

Missouri Botanical Garden
4344 Shaw Blvd., St. Louis, MO 63110
(314) 577-5100 • www.mobot.org

On the Cover:

Margaret Grigg Nanjing Frienship Chinese Garden. Photo by Jonathan Knobleock.

Credits

Editor: Jeff Ricker
Designer: Ellen Flesch

The *Bulletin* is a benefit of Garden membership.

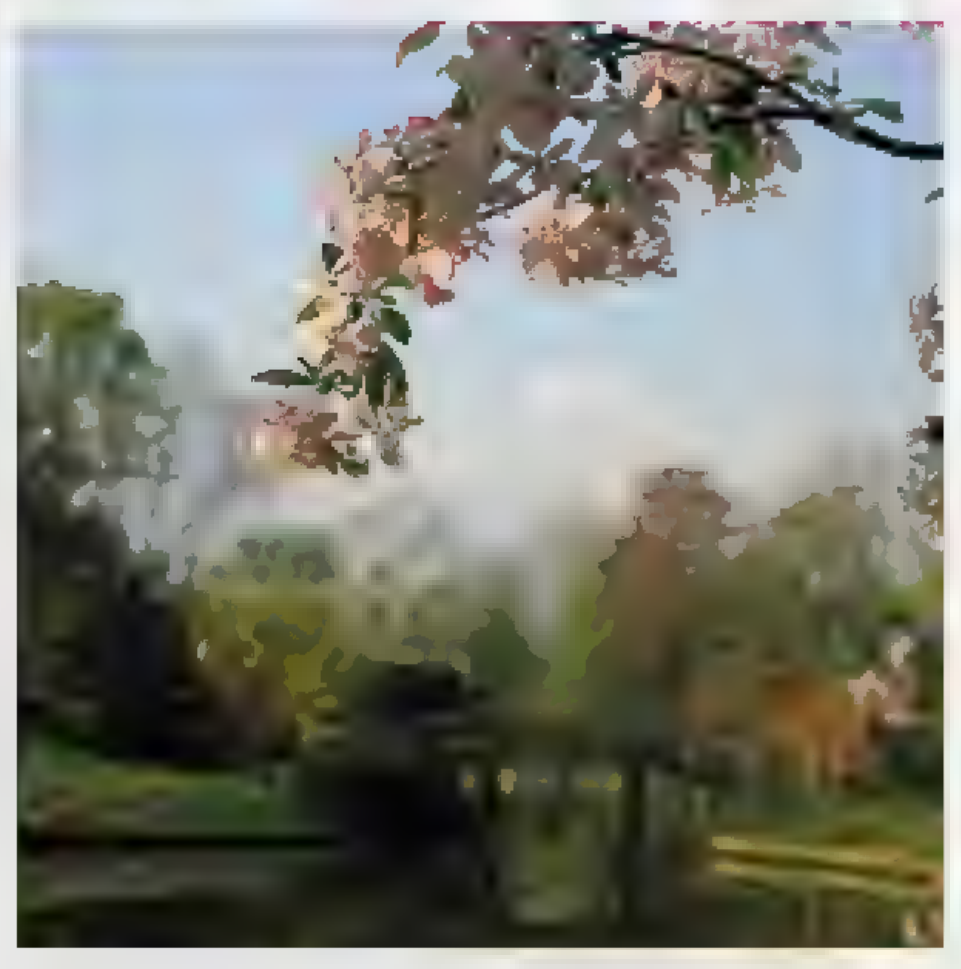
The BULLETIN (ISSN 0026-6507) is published quarterly by the Missouri Botanical Garden, 4344 Shaw Blvd.,
St. Louis, MO 63110. Periodicals postage paid at St. Louis, MO

POSTMASTER: Please send address changes to
Bulletin, Missouri Botanical Garden,
P.O. Box 299, St. Louis, MO 63166-0299

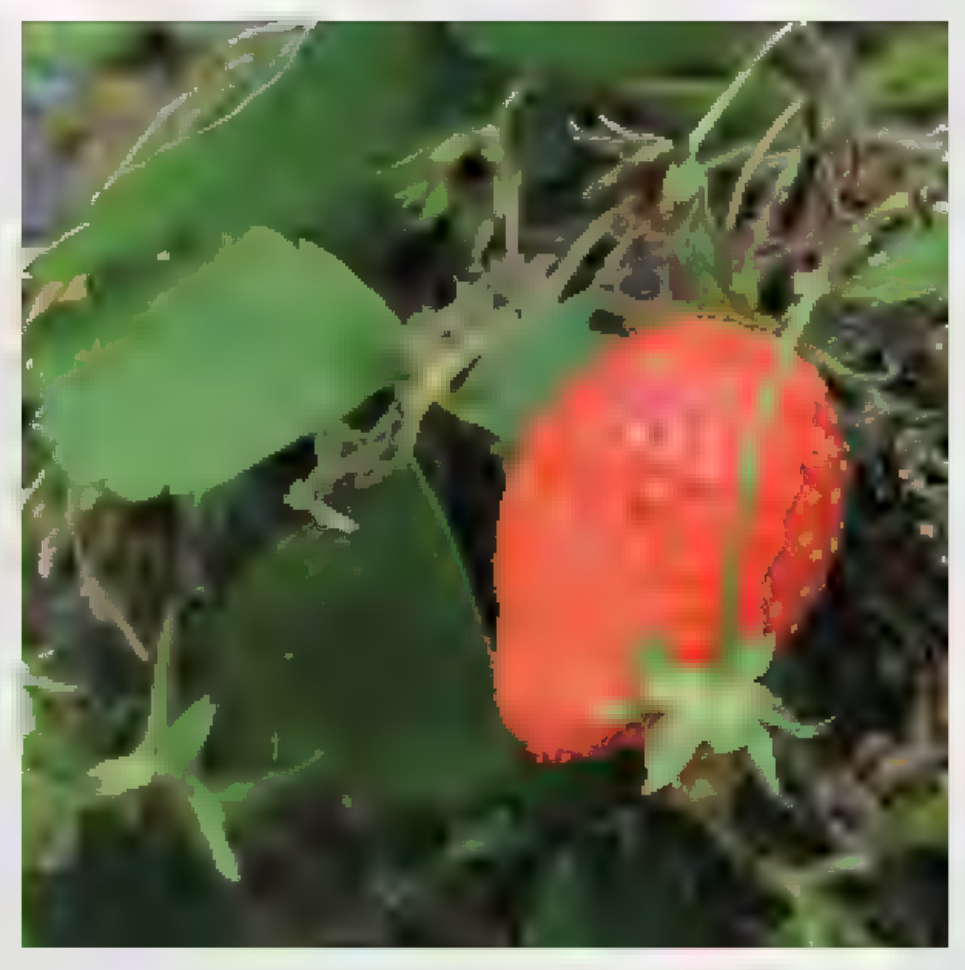
Sustainability Statement

The Missouri Botanical Garden *Bulletin* is printed on paper containing 100% post-consumer recycled content, that is, paper that you might have placed in the recycle bin in your home or office this year. It is manufactured using wind power, a renewable energy source. We print locally, so there is no long-haul transportation, and we're reinvesting in our community. We work hard to choose the most environmentally responsible paper around. So if you aren't quite ready to go completely electronic with our online version, you can still enjoy your paper *Bulletin* in good conscience. Once you've read it, please recycle.

What's Inside…

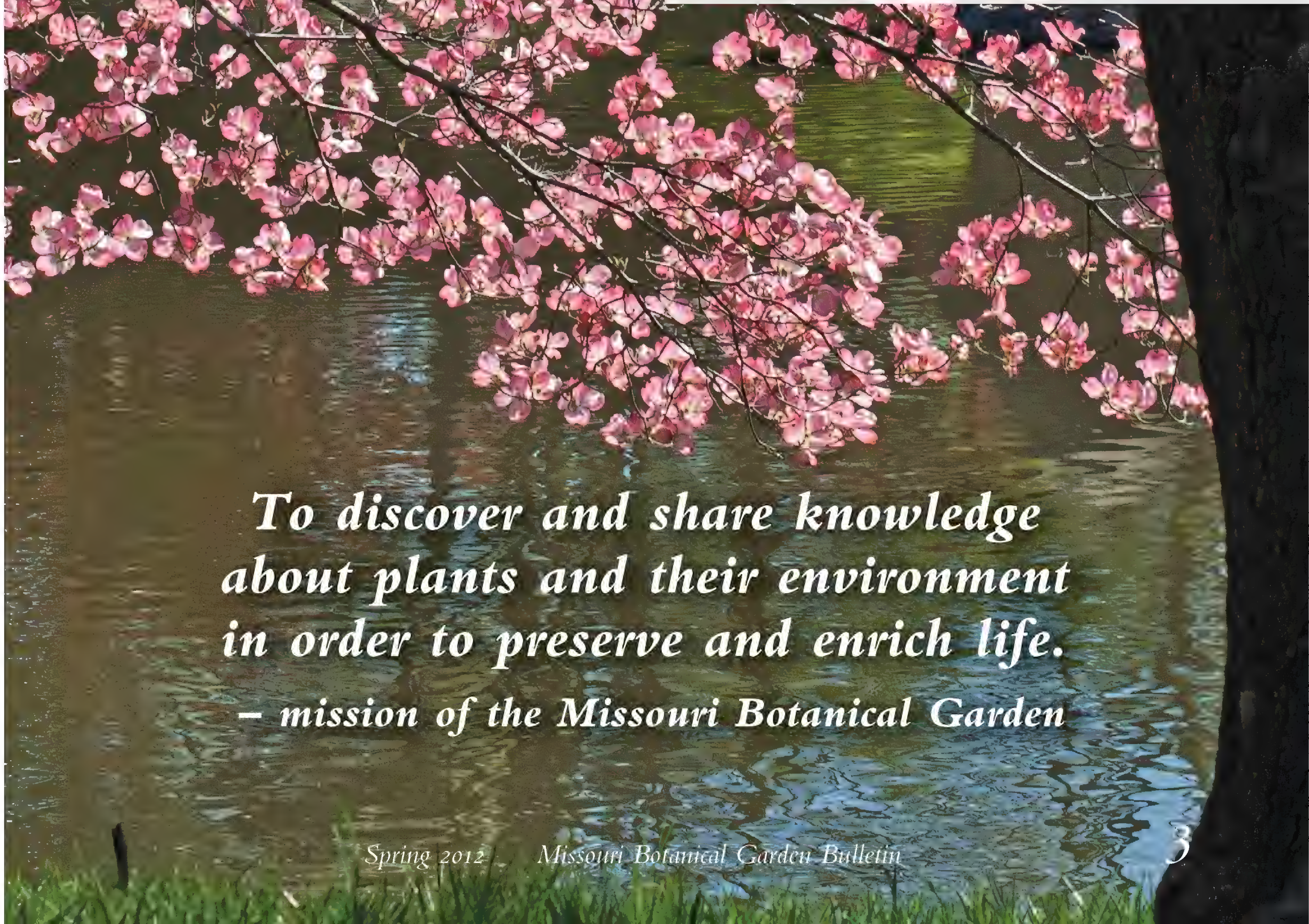


8
Getting the Shot
Photography tips you can use at the Garden



10
A Movable Feast
Moving? Downsizing? Don't ditch the vegetable garden.

President's Comment 2
News 4
Butterfly House 11
Shaw Nature Reserve 12
Tributes 13
Seen at the Garden 16
Events 18
Calendar 20



To discover and share knowledge about plants and their environment in order to preserve and enrich life.
– mission of the Missouri Botanical Garden

photo by Brian Mueller

Rakesh Sachdev

Steve Maritz

New Trustee, Board Chair Announced

Steve Maritz of Maritz Holdings, Inc. has been named chairman of the Missouri Botanical Garden Board of Trustees, and Rakesh Sachdev of Sigma-Aldrich Corporation has been elected to the board.

Steve Maritz is the fourth generation of his family to lead Maritz Holdings, now in its 112th year. Maritz began his career with the company in 1983 and became president and chief operating officer in 1997. One year later, he succeeded his father, William Maritz, as chief executive officer and was appointed chairman of the board after his father's death in 2001.

Maritz serves on the boards of the John M. Olin School of Business, the Variety Club, Laclede Group, and the Greater St. Louis Council of the Boy Scouts of America, among other community leadership roles. Maritz holds a bachelor's degree in organizational psychology from Princeton University.

Maritz succeeds Arnold Donald, who served as chairman of the Missouri Botanical Garden Board of Trustees from 2009 to 2011. Donald was given the esteemed Henry Shaw Medal at the December 5 meeting for his dedicated service.

Rakesh Sachdev is president and chief executive officer of Sigma-Aldrich, a St. Louis-based, $2 billion global life science and high technology company. He joined the company in 2008 as chief financial officer and chief administrative officer. He took on the additional role of senior vice president–international in 2009. In November 2010 Sachdev was promoted to president and chief executive.

The memorandum of understanding was signed by (from left) Wu Yiya, director of the Lushan Botanical Garden, CAS in Lushan, Jiangxi Province; Wen Yongxin, director of the Guangxi Institute of Botany, CAS in Guilin, Guangxi Zhuang Autonomous Region of China; Zhuang Yule, director of the Nanjing Botanical Garden Mem. Sun Yet-Sen in Nanjing, Jiangsu Province; and Garden President Dr. Peter Wyse Jackson.

A native of India, Sachdev earned a B.S. in mechanical engineering from the Indian Institute of Technology. He earned a master's degree in engineering from the University of Illinois and completed his MBA at Indiana University.

Sachdev also serves on the board of directors of Regal Beloit Corporation, Beloit, Wis.

Memorandum of Understanding Signed with Chinese Gardens

The Missouri Botanical Garden has signed a memorandum of understanding with three Chinese botanical institutions to promote conservation, education, and awareness of plant diversity.

The agreement between the Garden and the Nanjing Botanical Garden, Lushan Botanical Garden, and Guangxi Institute of Botany calls for the exchange of herbarium specimens, plant materials, publications, data, scientific materials, and personnel.

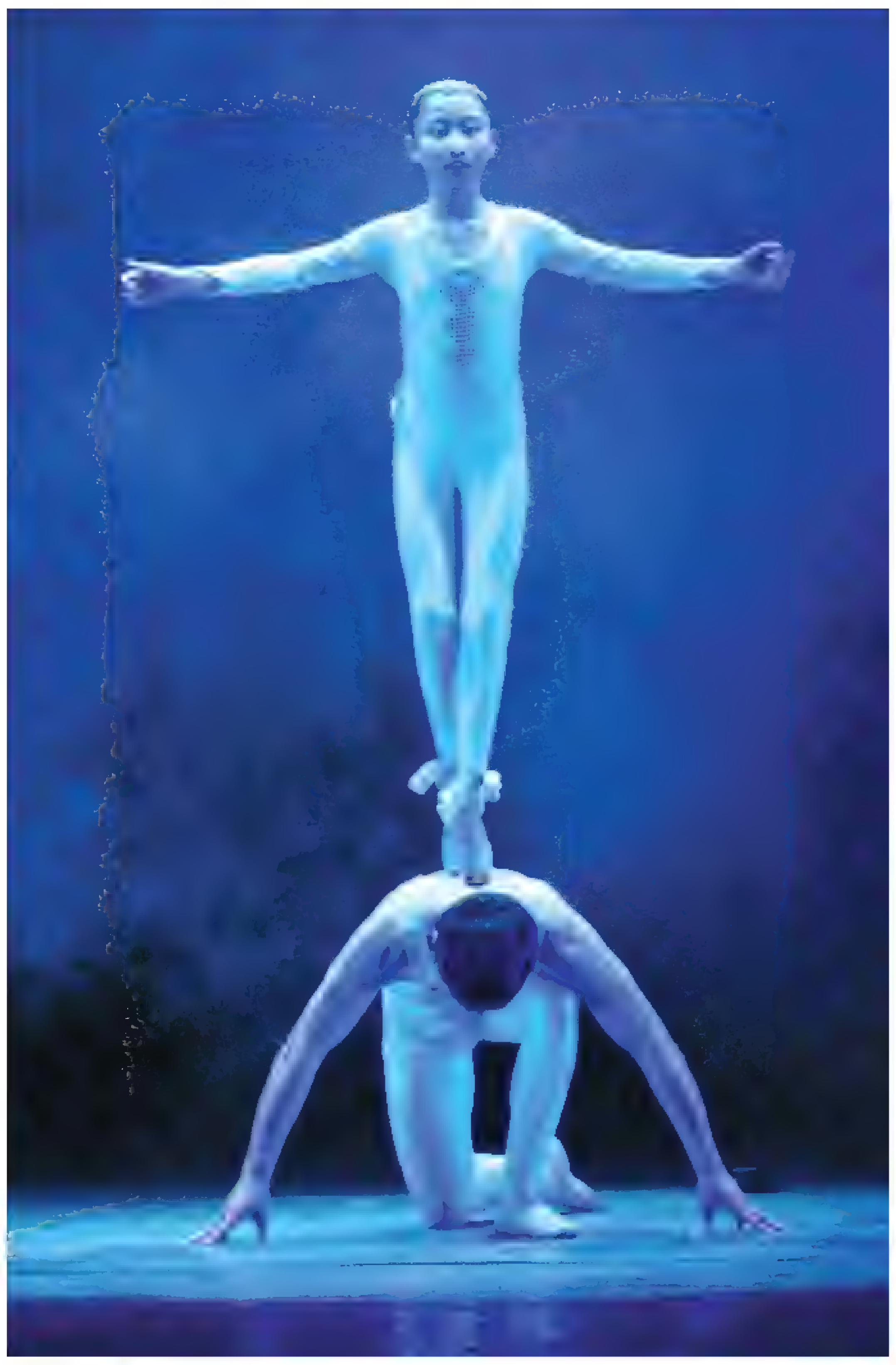
"Each of our institutions are keenly aware of the current threats to our respective floras," said Garden President Dr. Peter Wyse Jackson. "Through these agreements we seek to work jointly in documenting the plants found in our areas of interest, study the effects of climate variation on the ecosystems, and promote our respective scientific efforts through collaborations."

New Conservation Club for Members

Missouri Botanical Garden members are invited to learn more about the Garden's work in science and sustainability through a new membership feature called the Conservation Club.

Through the club, members will be invited to participate in lectures and hands-on events that highlight the Garden's efforts in protecting plants around the world, preserving ecosystems here and abroad, and improving our built environment to conserve resources. Club members also will receive a special newsletter from Garden President Dr. Peter Wyse Jackson.

Conservation Club benefits are complimentary for members at the President's Circle level and above. For more information, visit our website or contact the Membership Office at (314) 577-5118.



Lantern Festival entertainment will include performances by the Zhongguo Sichuan Leshan Chenlong Zajiyishu Private Limited Acrobatic Troupe.

Volunteers Sought for Lantern Festival

Want to get the insider's perspective on the upcoming *Lantern Festival: Art by Day, Magic by Night*? If so, the Garden could use your help.

Volunteers are sought to help with admissions, interpretation, hospitality, and docent duties during the festival, including the entertainment-filled Grand Opening, Memorial Day weekend, May 26–28.

Weekend highlights will include a Grand Parade with 70-foot-long dancing dragon, martial arts, Chinese calligraphy, authentic regional cuisine, t'ai chi, and tea tasting. Special tours in the Chinese Garden focus on the symbolism of many plant species and architectural details. Visitors will enjoy performances by the Zhongguo Sichuan Leshan Chenlong Zajiyishu Private Limited Acrobatic Troupe and marvel at the large-scale lantern sets when they are illuminated for the first time at night.

Volunteer training is scheduled for May 15, 10 a.m. to noon; May 16, 3 to 5 p.m.; May 19, 10 a.m. to noon; with an additional session on June 6, 5:30 to 7:30 p.m.

For more information or to apply, please contact Jackie Juras at (314) 577-5187, jackie.juras@mobot.org, or visit www.mobot.org/volunteer.

From the President's Kitchen

Growing up in Ireland, dandelions were a familiar feature of every meadow and roadside. Coming to St. Louis, I was amazed to find that they were common and well known here too. For me the dandelion is a welcome harbinger of warm spring days after a long winter, and a thoroughly useful plant too!

LEARN MORE: Dr. Peter Wyse Jackson and Dr. Catrina Adams will present a class on **Missouri Edible Plants of Spring** Saturday, April 21, 9 a.m. to noon at the Kemper Center for Home Gardening. Sample several dishes including Dr. Wyse Jackson's dandelion syrup. Cost: $35 members, $42 nonmembers. To register, visit www.mobot.org/classes.

The dandelion (*Taraxacum officinale*) is one of those cosmopolitan weeds that everyone knows, but few appreciate. If it were difficult to grow, ironically, we would all want it in our gardens! We have also largely forgotten that this stubborn little weed is actually a useful and versatile edible plant, rich in vitamin A. Traditional uses can be found for almost all parts of the plant. The young leaves can be used in salads, and more mature ones can be boiled and served as a vegetable. Flowerbuds, when pickled, are reminiscent of capers. The flowers themselves can be batter dipped and fried. The roots can be roasted and eaten or ground to make a very acceptable coffee substitute. There are also recipes for dandelion flower wine and dandelion beer.

The dandelion flower is also the main ingredient for a wonderful syrup that goes well with pancakes, ice cream, and other sweet desserts and puddings. The taste is delicious, like that of a wildflower honey.

Dandelion Flower Syrup

Ingredients:

300 dandelion flowers
2 cups water
Juice of one lemon
4.5 cups white sugar

Directions:

Bring water to a simmer, add dandelion flowers, and simmer an hour. Add lemon juice and leave to steep overnight. The next day, strain the mixture, stir in the white sugar, and bring to a gentle boil for approximately two hours until a thick, syrupy consistency is achieved. Bottle in sterilized jars and store (best in the refrigerator) until used.

In Memoriam: Lucianna Gladney Ross 1915–2012

Lucianna Gladney Ross, philanthropist, historical preservationist, and loyal friend of the Missouri Botanical Garden, died January 24, 2012. She was 96.

Mrs. Ross began as a Garden member in 1965 and became a transformative force in the decades that followed.

She served in the early 1970s as a leader in the Garden's volunteer guide program. In 1978, she became the first woman elected to the Garden's Board of Trustees. Mrs. Ross also made several gifts to the Garden, often anonymously. Through the '70s, '80s, and beyond, she was instrumental in projects such as the construction of Ridgway Visitor Center, the Kiefer Magnolia Walk, renovation of the Climatron®, the Gladney Rose Garden, and the lovely Chihuly arches that grace the rose garden.

The Garden gave Mrs. Ross its highest honor in 2002—the Henry Shaw Medal.

"Lucianna was a delightful person with a twinkle in her eye and a purpose in her soul," said Dr. Peter H. Raven, president emeritus. He described her as "generous, enterprising, modest, and forward-looking."

Mrs. Ross was the daughter of Frank Gladney, an attorney and partner in the company that introduced the soft drink 7-Up. Her generosity extended beyond the Garden, including a commitment to restoring and preserving historic Kimmswick.

Sassafras Gets Even Greener—and Healthier

Sassafras, the Garden's café and the first Certified Green Restaurant in Missouri, got even greener with an upgrade of the restaurant's kitchen equipment in January.

Griddles and fryers have been replaced with steam and convection cooking equipment. The change is expected to result in decreased energy consumption and water usage, improved safety and efficiency, and no use of cooking fat. In addition, the kitchen's garbage disposal has been removed, and all food scraps will be composted instead.

The change also means notably healthier menu options. Fried food items have been eliminated and replaced with pasta dishes and flatbread pizzas, expanding the range of offerings for café guests.

Operated by Catering St. Louis, Sassafras serves nearly 500,000 guests annually.

Naming, Describing New Plant Species Gets Easier

Beginning this year, scientists who describe and name new species no longer need to publish in print to make those findings official. Following a ruling at the XVIII Worldwide International Botanical Congress, material published online will be formally accepted as effective publication.

This streamlined process will allow for more rapid inventorying of the world's biodiversity—more important now than ever, as species can go extinct faster than they are being described.

Nicholas Turland, associate curator at the Missouri Botanical Garden and member of the Bureau of Nomenclature of the Congress, helped to outline the publication changes for the scientific community.

"Online journals will generally have a peer-review system, just as traditional paper journals have had for many years," he said. "It is hard to gauge the community reaction to the new rules, but judging by the large majority of scientists voting in favor, I think it is positive."

A further development: plant descriptions can now be written in English. Previously, these had to be written in Latin. Now, either English or Latin will be acceptable. Scientific names of plants will continue to be in Latin.

Missouri Botanical Garden

photo by Jonathan Knobelock

The Commerce Bank Center for Science Education scored 85 on the EPA's Energy Star scale.

Education Building Earns Energy Star Rating

The Garden's Commerce Bank Center for Science Education (CBEC) has received Energy Star certification from the U.S. Environmental Protection Agency.

To qualify for the Energy Star rating, a building or manufacturing plant must earn a 75 or higher on the EPA's energy performance scale, indicating that the facility performs better than at least 75 percent of similar buildings nationwide.

"CBEC scored 85 on a scale from 1 to 100 thanks to the energy-efficient HVAC and lighting systems, a well-insulated building, and the contribution of renewable energy from the solar array mounted on the roof," said Deborah Frank, the Garden's Vice President of Sustainability. The 25-kilowatt solar photovoltaic system was installed last year thanks to Express Scripts and an Ameren Missouri renewable energy rebate.

Spink Pavilion Gets LEED Certification

The Missouri Botanical Garden's renovation of the Spink Pavilion has earned LEED certification from the U.S. Green Building Council. LEED (Leadership in Energy and Environmental Design) is the nation's premier program for the design, construction, and operation of high-performance green buildings.

The latest renovation, completed in the summer of 2010, included replacing the HVAC system, installing more thermally efficient windows and doors, audiovisual upgrades, kitchen equipment replacement, and a new awning over the main patio.

More than 92 percent of the construction waste from renovation was recycled, repurposed, or otherwise diverted from winding up in a landfill. Other updates included a water bottle filling station, energy-efficient hand dryers, and water-saving plumbing.

JPMorgan Chase Awards Garden Sprouting Schools Grant

photo by Emily Amberger

From left: Hans E. Fredrikson, Market Manager of JPMorgan Chase in St. Louis; Garden President Dr. Peter Wyse Jackson; Scott Bush, Managing Director of JPMorgan Chase in St. Louis; and Sheila Voss, Garden Vice President of Education.

The Missouri Botanical Garden has been awarded a grant from JPMorgan Chase to support its "Sprouting Schools" program at Washington Montessori, a St. Louis Public School. The program enables students to have nature-based learning experiences at school, at home, and in the community. The Garden's program is serving more than 300 students in pre-kindergarten through third grades during the 2011–2012 school year.

Throughout the year, Garden educators work with the students, teachers, and families of Washington Montessori to grow students' connections to the natural world and help form a long-lasting foundation for environmental stewardship.

"Specifically, this support enables our Sprouting Schools program to focus particular attention on the early childhood years—a critical time when a lifelong connection with and love for plants, gardens, and nature can be sparked," said Garden President Dr. Peter Wyse Jackson.

Plugged In

photo by Christina Kelley

Electric car owners can now get a charge out of their visit to the Garden. Two electric vehicle (EV) charging stations have been installed in the Missouri Botanical Garden's west parking lot. The charging stations, procured with the assistance of Microgrid Energy, will accommodate up to four vehicles at one time. Electric vehicles cost less to power and generate lower emissions than traditional gas-powered autos. (Electric vehicles courtesy of Ameren Missouri.)

Getting the Shot: Our photographers

It's happened to us all: you take the perfect photograph only to get home and find it's… well, not so picture perfect.

How do our photographers do it? Here, some of our professional shooters and former photo interns share some of their favorite shots along with some tips and techniques you can use the next time you visit the Garden.

> **"Tell a story with your image.
> Be creative.
> Be the early bird.
> Have fun!"**
> **– Heather Marie Osborn**

▲ **Scott Avetta** (www.scottavetta.com)
With all the beauty surrounding you at the Garden, it is easy to overlook wonderful subjects, especially the smaller things. When photographing botanicals, we need to slow down and look closely. Identify the subject and ask yourself, "What drew me to the scene? Is this a good specimen, and are there any distractions?" Consider the color of the bloom, the condition of the plant, the lighting, and the background. An overcast sky or soft light is helpful. Emphasize the positive. Try getting closer. Consider whether the subject is best as a vertical or horizontal. Take several versions and compare them later. Most importantly, have fun.

◀ Heather Marie Osborn

(www.petalsnap.com)
When you create your image, keep it simple. Focus on what drew you toward the subject. Include landmark parts of the Garden to create a story. Sunlight is a wonderful lighting source during the morning and evening hours. It adds a great deal of contrast and drama to a garden image. If you can crouch down, stand taller, peek around a leaf, do it! Don't just stand straight and click your shutter. Flowers and trees aren't straight.

◀ Emily Amberger

A common misconception is that bad weather equates bad images. Au contraire! I captured this image in the Japanese Garden early one morning this past September, shortly before 7 a.m. A tripod is essential to achieve desirable sharpness and depth of field. A wide-angle lens is also appropriate when photographing landscapes. It was an extremely foggy morning, and the preceding days had been wet and gloomy as well, yet the storm was starting to clear. Small puddles had formed on top of the bridge, allowing light to reflect off the surface in an interesting fashion.

▲ Kimberly Bretz

Changing the shutter speed when photographing water can dramatically change the outcome. In this picture I wanted to capture the water in action and "freeze" it, so I used a fast shutter speed. I recommend at least 1/250 s or faster; this was shot at 1/400 s. On the other hand, slow your shutter speed to blur water and give it a smooth effect. This is often seen in photographs of waterfalls, rivers, and oceans; the shutter stays open longer as the water moves, allowing it to blur. This effect can be used very nicely on the waterfall in the Climatron®.

help you shoot like a pro

▲ Kyle Spradley

(www.kspradleyphoto.com)
I opted to shoot this particular morning at first light. The "magic hours," or the two hours surrounding sunset and sunrise, are the best times to shoot. (The Garden opens early on Wednesdays and Saturdays at 7 a.m.) I used an ultra-wide angle lens to dramatize the tulips and to give the sky a grandiose feel. Putting smaller elements in the foreground also provides the eye a place to go before it moves through the rest of the scene. The lens also gave me greater depth of field to ensure more of the frame to be in focus.

This image wouldn't have come together without a graduated ND filter. One side of the glass piece is darkened, while the other is clear. Place the darkened side over the sky to create a more balanced image.

Take a class

Scott Avetta is not just a spectacular photographer—he's a teacher! This spring and summer, he'll be leading a number of classes and workshops at the Garden, including sessions on color and composition, close-ups, and a special Lantern Festival night class. To learn more and to register, visit **www.mobot.org/adulteducation** and click on *Art, Photography & Crafts.*

A Movable Feast

Don't leave your vegetable garden behind when you downsize

A hanging basket becomes ideal for growing strawberries.

Baby boomers are reaching retirement age, and the numbers of households looking to downsize is projected to rise dramatically as the number of Americans over 65 nearly doubles by 2030. Moving to a smaller home, though, doesn't mean you have to leave your vegetable garden behind.

Whether you've got a smaller yard, a patio, or even just a window box, with the right planning and careful selection, you can look forward to a plentiful harvest.

Make strategic choices. What will you get the most use out of? Like Italian food? With tomatoes, basil, and oregano, you'll have the ingredients for fresh marinara. If salads are your thing, choose lettuces, spinach, and cucumber on a trellis.

Make your plants multitask. Choose plants that are ornamental and edible: many peppers, cabbages, and kales are beautiful as well as delicious. (*See list at right.*)

Make the most of every square inch. If you can't spread out, go up. Train a trailing or vining plant to grow up a trellis. If you have ground space, you can train a fruit-bearing tree to grow in an *espalier* or a flat plane, such as against a wall or along a trellis.

On a patio or terrace, use a container with good drainage that's the right size for what you're growing. A lightweight potting mix will help keep your container properly drained. You'll need to water more frequently, as containers will dry out faster. Hanging baskets may need to be watered daily or more in summer. Because frequent watering leaches nutrients from the soil, proper fertilizing is key.

Consider the environment. Light and airflow will affect your plant choices. If there is not adequate daylight in your location, consider varieties of lettuce and spinach that can tolerate shadier spots. Airflow is especially important for fruiting plants such as tomatoes. Without good airflow, humidity can lead to rot or disease.

Downsizing? Don't forget the Little Shop Around the Corner (see page 15.)

Need More Help?

Master Gardeners are available to help answer your gardening questions. Give them a call at (314) 577-5143, Monday through Friday, 9 a.m. to noon. You can also email your question to plantinformation@mobot.org.

Ornamental kale (Brassica oleracea)

What to plant?

- Herbs—just about any—parsley, basil, dill—will thrive in a container.
- Garlic and green onions—varieties such as Evergreen Bunching and Beltsville Bunching.
- Tomatoes—try tumbling varieties such as Tumbler, Tumbling Tom, Cherry Falls, Cherry Cascade, and Sunset Falls.
- Kale—Redbor, Winterbor, Russian Red, Coral Queen, Coral Prince, Kamome Pink, Maribor.
- Peppers—ornamental varieties range in colors from deep red and purple to lime green, yellow, and white.
- Sweet Potatoes—choose a variety such as Beauregard or white yam if you're after an edible plant.
- Cucumbers—Bush Champion, Bush Crop, Bush Whopper, Fanfare, Pot Luck, Salad Bush, and Spacemaster are all bushy small varieties. Most others will need to be trellised.
- Strawberries—Everbearing, Pink Panda, and Berri Basket are good for containers.

Sophia M. Sachs
Butterfly House

March Morpho Mania®

Sponsorship support by
Novus International, Inc.

Get ready for thousands of blue morphos to appear at the Butterfly House when March Morpho Mania returns! Ordinarily, you can't catch a glimpse of the blue morpho (*Morpho peleides*) in the U.S., as it is native to Central and South America.

The brilliant blue on the inside of the morphos' scaled wings isn't actually a colored pigment at all. It is the effect of refracted light, making the color appear to change depending on the angle. At roost, the mottled brown underside of the butterflies' closed wings helps them blend in with their surroundings—predators mistake their spots for animal eyes. When open, the wingspan can reach up to eight inches.

What may appear to be random flight patterns is actually purposeful activity. Males do this to establish a territory and attract females. If another male invades the space, he is soon chased away. At night, the butterflies roost on the underside of large leaves and branches. When hungry, blue morphos feast on such delicacies as rotting fruit and tree sap. At the Butterfly House, their diet consists mainly of bananas and other fruits.

The common blue morphos on display during March Morpho Mania all hail from the El Bosque Nuevo farm in Costa Rica. This farm represents an alternative to more damaging forms of agriculture and allows for the restoration of native habitat.

Special Members' Day Wednesday, March 14! Details: Page 19.

Kids' Birthday Parties

Two new themed birthday parties for kids 3–8 are available at The Butterfly House on Saturdays and Sundays:

BUG SAFARI—Add your own special touches to a safari helmet, grab a work vest outfitted with insect discovery gadgets, and learn about bugs.

FAIRY FLUTTERBYE—Transform into a fairy flutterbye wearing butterfly wings, a colorful tutu, sparkling tiara, and wand.

The fun includes games, crafts, a special decorate-it-yourself butterfly cookie, and a juice box. Fee: $15 per child. Contact Special Events at (636) 733-2339 for reservations.

photo by Emily Amberger

Blue morpho (Morpho peleides)

photo by Kate Lawless

Across the MERAMEC

A Test Site for Conservation Principles

The "South 800" has been used for farming and pasture for cattle, and includes woodlands and 1.5 miles of riparian corridor, *the riverfront habitat along the Meramec River.*

Shaw Nature Reserve visitors will find a pastoral scene awaiting them at the Meramec River overlook: fields of corn and soybeans, and pasture dotted with grazing cattle. This farmland and adjacent woodland are part of the Reserve and play a key role in teaching the importance and management of healthy, diverse native plant and animal communities.

As part of its partnership with the Missouri Department of Conservation, the Reserve has evaluated this 800-acre property, known as the South 800, for potential conservation uses and has identified several goals:

- Using the property to demonstrate best farm management practices that focus on conservation and the enhancement of wildlife habitat on agriculture and rural properties.
- Field day events to show the conservation practices property owners can use to enhance their own property.
- Youth and first-time hunter training that highlights the value of hunting as an ecological management tool.

To support the work, the Reserve sought funding from the Environmental Quality Improvement Program (EQIP), a federal Farm Bill cost-share and incentive program to encourage rural landowners to implement sound farming and conservation practices.

Additionally, funding from the Gateway Chapter of Quail Forever facilitated plantings to improve grassland bird habitat. Last year, a 30-foot-wide, 10,000-foot-long conservation buffer strip was planted along the edge of the crop fields, providing seven acres of habitat.

Last summer a new grazing system was implemented where cattle are rotated among eight grazing paddocks, resulting in the maximum use of available forage and ample time for the grass to recover. Additional conservation practices will be implemented over the next three years, including conversion of 50 acres of non-native pasture into tallgrass prairie.

In Missouri, 93 percent of the land is privately owned. The Missouri Department of Conservation created the Private Lands Division in 1999 to work with rural landowners to improve wildlife habitat on their properties. The Reserve is pleased to support the department's efforts to promote sound conservation practices on rural properties throughout the state.

photo by Patsy Hodge

Many hard-to-find native plants will be available.

Spring Wildflower Sale

Saturday, May 12, 9 a.m. to 4 p.m.
$3 (free to Garden and Reserve members)
Members-only early bird sale: *Friday, May 11, 4 to 7:30 p.m.*

Come browse the largest selection of Missouri native plants. Hundreds of native annuals, perennials, shrubs, and trees, ready for spring planting, are available for home landscaping and wildlife habitat. Many hard-to-find native species are also available, grown by the horticulture department at the Reserve. Experts can answer your questions, provide plant lists for specific growing conditions, and help you find native plants to fit your native landscaping project.

Tributes *October through December 2011*

A tribute gift to the Garden is a wonderful way to honor family and friends. Tributes of $25 or more are listed in the *Bulletin*. If you have questions regarding giving opportunities at the Garden, please call (314) 577-0805. You can also make a tribute gift online at our website, www.mobot.org.

In Honor of

Rev. Liz Berry
St. Louis Childen's Hospital NICU Department

Mrs.Carol Bitting
Mrs. Audrey W. Otto

Mr. and Mrs. John A. Blumenfeld
Mr. and Mrs. John A. Blumenfeld, Jr.

Mrs. Sherrill A. Boardman
Mr. and Mrs. Paul T. Johnson

Mr. Daniel C. Boeddeker
Mr. and Mrs. Thomas J. Sullivan, Jr.

Mr. and Mrs. Daniel A. Burkhardt
Ms. Mary Barley

Mrs. Dorothy Cartwright
Mr. and Mrs. James Cartwright

Mrs. Mary A. Chapman
Mrs. Betty Bischoff
Mrs. Sophie Connor

Cindy Collins
Mississippi Valley Nurserymen's Cooperative

Mr. and Mrs. Bert Condie III
Tri-Play Associates

Mrs. Laura Courtney
Ms. Elizabeth Magnusson

Ms. Evelyn E. Dennis
Mr. and Mrs. David Bentley
Ms. Marsha Dennis

Mrs. Virginia Duffy
Ms. Christine Huffman

Mrs. Ruth E. Flagg
Susanne Phillips

Mrs. Joanne D. Fogarty
Dr. Kathryn Fogarty

Mrs. Pamela J. Foster
Ms. Clay Hancock

Mr. and Mrs. Herman Gellman
Mr. and Mrs. Morton D. Baron

Ms. Carol A. Gruen
Mr. Norman W. Thompson

Mr. Gregory W. Hall
Miss Aubrey Carter

Mrs. Barbara Johnson
Mrs. Sherrill A. Boardman
Mr. and Mrs. L. Ranney Dohogne

Mr. and Mrs. Ronald E. Jones
Mr. and Mrs. Philip O. Kechele

Tory Kassabaum
Mrs. Nancy Kassabaum

Mr. and Mrs. Marvin A. Kosky
Mr. and Mrs. Kenneth S. Kranzberg

Mr. Raymond Laux
Ms. Carole Pentony

Ms. Barbara Lee
Mrs. Joan Wright

Mrs. Judy Lewis
Ms. Andrea Lewis

Mrs. Kay Love
Mr. Kent Coffel

Mrs. Barbara Barbie Macon
Moneta Group Investment Advisors, LLC

Ms. Helen McCallie
Mr. Gregory Brough

Mr. and Mrs. Charles R. Miller
Ms. Shirley Potter

Dr. Robert Oker
Mr. and Mrs. Robert Oker

Mrs. Audrey W. Otto
Mr. and Mrs. Mahlon B. Wallace III

Mrs. Patricia. Patterson
Mr. John K. Patterson

Mrs. Felicia Poettgen
Mrs. Julie Bruns

Mrs. Carolyn B. Pratt
Mrs. Davin S. Wenner

Dr.Peter Raven
Dr. Alan Covich
Gordon and Betty Moore Foundation

Dr. Patricia Raven
National Society of the Colonial Dames of America in the State of Missouri

Mr. and Mrs. Marc Seldin
Mr. and Mrs. Sanford W. Weiss

Mrs. Betty Sill
Mrs. Martha B. Dyer

Mr. Donald Soffer
Ms. Sally K. Levy

Dr. James C. Solomon
P.E.O Sisterhood—MO Chapter GE

Ms. Patricia A. Stahlhuth
Ms. Patricia A. Stahlhuth

Mrs. Nora Stern
PONY girls

Mrs. Nora Stern and Mrs. Ellen Dubinsky
Dr. and Mrs. Stephen F. Bowen, Jr.
Mr. and Mrs. Thomas Cohn
Mr. and Mrs. Clark S. Davis
Mr. and Mrs. Mark Goldschmidt
Mrs. Landon Y. Jones
Mr. and Mrs. Selden K. Martin
Mr. and Mrs. David C. Sauerhoff
Mr. and Mrs. Kevin Seelman
Mrs. Virginia Senkosky
Mr. and Mrs. James H. Squires
Mr. and Mrs. William R. Vickroy
Mr. and Mrs. F. Dale Whitten
Mr. and Mrs. Andrew R. Zinsmeyer

Mr. and Mrs. Walter G. Stern
Mr. and Mrs. James S. McDonnell III
Mr. and Mrs. Zsolt Rumy
Mr. and Mrs. Harold M. Stuhl, Sr.
Mr. James E. Welzbacher

Chris and Will Tao
Mrs. Beth A. Lehrer

Dr. James C. Trager and Ms. Jan Tackas
Mr. and Mrs. Thomas E. Hohn
Mr. Robert Siemer and Ms. Ann Early
Ms. Lydia Toth

Mrs. Shelia Voss
University of Missouri-St. Louis

Mr. and Mrs. John K. Wallace, Jr.
Mrs. Audrey W. Otto

Mr. Blanton J. Whitmire
Ms. Amada Dillon
Ms. Janet L. Elrod
Ms. Cindy Fitzgerald
Ms. Beth Freund
Ms. Heather Kesserling
Ms. Lucy Purvis
Ms. Dawn Stoffa

Mr. John G. Wilmsen
Mr. and Mrs. Paul E. Flotken

Dr. John A. Wood
Mr. and Mrs. Robert H. Slosberg

Mr. Andrew Wyatt
Nestle Purina PetCare Company

Mrs. Ann Duvall Wyatt
The Duvalls

Mr. and Mr. Myron Zwibelman
Dr. and Mrs. Richard Blath

In Memory of

Mrs. Margaret K. Abel
Dr. Robert K. Royce

Mr. Richard B. Abney, Sr.
Mr. and Mrs. Donald R. Hemmer

Dr. Grace B. Abrams
Mr. and Mrs. Barry Krantz

Mrs. Louise Alexander
Mr. and Mrs. Louis E. Greco

Ms. Mary Ann Alexander
Mr. and Mrs. Louis E. Greco

Mr. Henry Arenberg
Mr. and Mrs. Henry W. Dubinsky
Mr. and Mrs. Walter G. Stern

Mrs. Oswelda Badal
Ms. Anne L. Draznin

Ms. Shirley Bardenheier
Argos Investment Advisors, LLC
Ms. Irene P. Brooks
Ms. Doris Finger
Ms. Jackie Juras
Scottrade, Inc.
Mr. and Mrs. Robert H. Tobler

Esther Basman
Dr. and Mrs. Charles W. Cheek

Mrs. Irene Bauer
Mr. and Mrs. Steven Collins

Mrs. Patricia Beuckman
Mr. and Mrs. Dan M. Bainter
Mrs. Sue H. Butler
Mrs. Ann Case
Ms. Leslie Clark
Dr. and Mrs. William M. Fogarty, Jr.
Ms. Carla Gallik
Ms. Jackie Juras
Kirkwood Garden Club
Ms. Cindy Jordan Littlefield
Missouri Botanical Garden—Docents
Missouri Botanical Garden—Volunteer Instructors
Mr. and Mrs. Rollen Roberson
Ms. Jan Simons and Mr. Charles W. Raiser
The St. Louis Master Gardeners
Mr. and Mrs. Robert Thurwalker
Mr. and Mrs. Jerold W. Wallis

Mr. James A. Bilhorn
Mr. Gregg Lippert

Mrs. Adelaide Bitting
Mr. and Mrs. James H. Howe III
Mr. Frederic G. Maurer III
Mr. and Mrs. John A. Young

Miss Wanda Bowers
Mr. and Mrs. Ed Cohen
Mr. Ron Katz
Ms. Susan E. Marchiselli

Dr. Harry Bozoian, D.D.S.
Mr. and Mrs. William H. Jones, Sr.

Mr. W. Wesley Burton III
Mr. and Mrs. John H. Cassidy
Mr. David Cruzan
Mr. Alan R. Elfrink
Mrs. Ellen H. Hartwig
Mr. and Mrs. Robert Nation

Ms. Virginia L. Campbell
Ashley Greg and Aleta Hirsh

Mrs. Jane M. Carr
Mr. and Mrs. Andrew J. Kocot

Mr. Robert R. Cave
Mrs. Barbara McAfee Wohltman

Mrs. Susan C. Chalfant
Mrs. Julia T. Barnes
Mr. and Mrs. William G. Bowman
Mr. and Mrs. H. Pharr Brightman
Mrs. Jane D. Bryan
Mrs. Ann Case
Mrs. Charles W. Freeman
Mr. and Mrs. Robert Herrmann
Mrs. Julie Price Scott
Her friends in her investment group

Mr. David C. Chopin
Mrs. Shirley G. Durfee
Mrs. Molly Layton

Mr. Calvin H. Clawitter
Ms. Helen M. Albrecht
BIT Group
Mr. and Mrs. Scott C. Burkham
Karen and Steve Cabler
Ms. Janet Clawitter
Ms. Joy Erdbruegger
Mr. and Mrs. Hugh R. Keenoy
Ms. Cindy Maulin
Ms. Nancy McGraw
Mr. Bob Mueller
Mrs. Joan M. Shewmake
The Durant Life Member Council of the AT&T Pioneers
The Faculty at Oakville Senior High School
Mr. and Mrs. Charles D. Van Dyke
Mr. and Mrs. Thomas Welby

Mrs. Frances E. Cognac
Mr. and Mrs. James G. Berges
Mrs. Ann Case
Mr. and Mrs. Robert H. Harper
Mr. and Mrs. Robert J. Herleth
Ms. Jackie Juras
Carolyn and Joseph Losos
Mr. and Mrs. William C. Rusnack
Ms. Jan Simons and Mr. Charles W. Raiser
Mrs. Mae Wakeham

Mrs. Melba M. Danzer
Mr. Harry F. Glenn and Mr. Ted Funkhouser

Jane D. Davies
Ms. Frances E. Estes
Mr. and Mrs. Thomas Hohn
Ms. Helen McCallie

Brenda Davis
Mr. and Mrs. Grady Venable

Mrs. Martha De Greeff
The Presbyterian Church—Washington, MO

Mrs. Gale Dean
Mr. and Mrs. Fred E. Arnold
Mr. and Mrs. Edward C. Barnidge, Jr.
Mr. and Mrs. John H. Blixen II
Mr. K. Christopher Doehring
Mr. and Mrs. Derick L. Driemeyer
Mrs. Barbara M. English
Mr. and Mrs. David C. Farrell
Mr. and Mrs. Joseph Glik
Mr. and Mrs. Samuel B. Hayes III
Mr. and Mrs. George R. Kleine
Mr. and Mrs. James S. McDonnell III
Ms. Ellen Miller
Mary Carol Millsap
Mr. and Mrs. Fred H. Perabo
Mr. and Mrs. Rudyard K. Rapp
Mr. and Mrs. Gerard K. Sandweg, Jr.
Mr. and Mrs. Robert C. Schaefer
Mr. and Mrs. Steve Speier
Mr. and Mrs. Robert P. Tschudy
Mr. and Mrs. Terry Wittenberg

Mrs. Edna W. Dependahl
Ms. Jackie Juras

Mr. Eugene W. Dependahl
Ms. Frances E. Dependahl

Mr. William T. Dickson
Ms. Judy Dickson

Lois Downing
The Forsyth School community

Mr. Nathaniel Briggs Durfee III
Missouri Botanical Garden—Docents

Mrs. Marie Eldridge
Oakville Garden Club

Mrs. Uta T. Eto
Mr. and Mrs. Lance Sueoka
The Environmental Division, Bureau of Reclamation

Mrs. Irene S. Ewing
Mr. and Mrs. Robert E. Kresko

James R. and Grace S. Farrell, Mary Edwards, and Agnes Adams
Ms. Vivian Farrell

Create a legacy

Leaving a bequest to the Garden creates a legacy that will benefit others for generations to come. If you have already included the Garden in your estate plans, we hope that you will share this information with us. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected. Please call (314) 577-9495 for further information, or visit our website at www.mobot.org. Click on Support the Garden, then Planned Giving.

Mrs. Kathy Faver
June Kummer

Mrs. Cookie Feinberg's mother
Mr. and Mrs. Raymond W. Peters II

Mrs. Lois L. Filippello
Mr. and Mrs. Leon P. Ullensvang

Mrs. Elizabeth C. T. "Betty" Forbis
Mrs. J. Brock Brock Diener

Mrs. Lois Forthaus
Mrs. N. Muschaney

Ms. Melanie Cecile Gambill
Ms. Veronica J. Bauman
Mrs. Linda Benoist
Mr. John C. Bolen
Mrs. Marth Bunch
Mr. Michael Clear and Mrs. Isabel Marie Bone
Ms. Jane Cocalis
Mr. C. Cleary Eckelman and Ms. Beth McIntosh
Mrs. Joan H. Flowers
Mrs. Mary Gould
Ms. Maryann Hebel
Ms. Jean Lovati
Mrs. Constance McPheeters
Mrs. Judith Mutchler
Ms. Betsy Oherin
Ms. Leigh F. Pratter
Ms. Jennifer Rashet
Ms. Patricia Ryan Roman
Ms. Rhonda Schaper
Mrs. Audrey Shanfeld
Mrs. Linda A. Tyler
Ms. Lisa S. Van Amburg
Mr. and Mrs. Rick E. Voskuil

Mrs. Sybil Goffstein
Mr. and Mrs. Thomas R. Myers

Ms. Dorothy Gooch
Mr. Harry F. Glenn and Mr. Ted Funkhouser

Mr. Hank Griffith and Ms. Pat Lloyd
Ms. Linda Fiehler

Mrs. Sara Grossnickle
Dr. and Mrs. Charles W. Cheek

Mrs. Juanita Haddox
Mr. and Mrs. Donald Kuchenbuch
Mr. Thomas J. Wilhite

Mr. Howard Hagedorn
Ms. Susan Fluegel

Mrs. Felicia Harrington
Ms. Mary Sorrells

Hal & Mary Harris's mother
Mrs. Joan W. Goodman

Miss Nneka Hawkins, Miss Judith Gorman, and Mrs. Kenyatta Houston
Mrs. E. E. Gorman

Ms. Nancy Heilman, L J. Panneri, and Frank and Helen Jamroz
Mr. and Mrs. Len Panneri

Mrs. Katherine R.D. Henrey
Ms. Orsoline Chiappetta and Ms. Patty Tecu

Ms. Kay Henry
Mrs. Ann Case

Mrs. Jackie Hohn
Ms. Elizabeth A. Scheele

Mrs. Marion Howard
Mrs. Jennifer Rehm

Ms. Peggy G. Hufford
Mrs. Ann Case

Mrs. Marie M. Juras
Missouri Botanical Garden—Docents

Mr. Bill Kensinger
Mrs. Janet U. Rathgeber

Mr. Edwin Kimker
Ms. Carol R. Derington
Ms. June Heimbaugh

Mrs. Marian E. Kirby
Mrs. Ann Case

Mr. Steve Kish
Mrs. Frances Kish

Mr. Robert Knobbe
Mr. and Mrs. Donald R. Hemmer

Mrs. Kathy Kuehn's father
The St. Louis Master Gardeners

Mr. Norman Lambert
Ms. Ramona Bush

Mr. Walter Liddell
Mr. and Mrs. James P. Jackson

Miss Mary K. Logan
Mrs. Deborah D. Goldfarb

Mrs. Alice M. Luedde
Ms. Mary Ann Jorgen

Mrs. Mildred Markworth
Mr. and Mrs. Harry N. D. Fisher and Glenn Mueller

Ms. Helen M. Marx
Ms. Jenny L. Gross
The Lift Team

Dr. Arthur McAuliffe
Dr. and Mrs. Harry T. Duffy

Edna McFarland
Ms. Sally Markland

Mr. David J. McKay IV
Mrs. Barbara M. Bryant

Mrs. Judith L. McLain
Mrs. Margaret Gundlach

Mrs. Doris J. McLaughlin
Dr. and Mrs. Joseph Kim

Lorraine Meredith
The Friday Morning Drawing Group

Mr. and Mrs. Ted Meyer
Mr. and Mrs. Harold P. Amann

Mrs. Myerna Michaels
Mr. Wayne E. Fick

Mr. Mike Miller
St. Louis Herb Society

Mr. Coggan W. Mills
Rev. Mark Harvey and Rev. Mary Harvey
Mr. and Mrs. R. Richard Straub

Francine Chrisler Moloney
Mr. and Mrs. A. David Welsh

Mrs. Claire Murphy
Mr. and Mrs. Donald R. Hemmer

Ms. Hortense S. Nemnich
Mrs. Sharon Fruit

Mr. Harry A. Niewoehner, Jr.
Mrs. Paulette Bliss
Mrs. Ann Case
Mr. and Mrs. Terrence W. Dougherty
Mrs. Sondra Ellis
Melanie M. and Anthony E. Fathman, M.D.
Ms. Kathleen M. Ferrell
Dr. and Mrs. Leonard J. Guarraia
Mr. and Mrs. Carl L. Hermann
Larry and Nancy Kirchhoff
Ms. Diane Kohl
Mrs. Beverly B. Schmitt
Mrs. Marian A. Wuest

Mr. Frank J. Nilica
Oakville Garden Club

Mrs. Frances F. Nouss
Mr. and Mrs. Michael N. Newmark

Bronislaw Nowakowski
Ms. Cara Deffenbaugh

Mrs. Courtney Obata
Mr. Gyo Obata

Mr. Aaron Pankowski
Ms. Martha S. Gersten

Mr. Charles Parrish
Mrs. Ann Case
Mr. Don J. Riehn and Mr. Jon J. Goeders

Mr. Edward K. Parson, Jr.
Mr. Ervin Simmons IV, D.M.D

Mr. L. W. Peterson
Mr. Howard J. Wilkinson, Jr.

Mr. Lew Petring
Mrs. Ann Case

Mr. William G. Pitcher, Jr.
Mrs. Mary E. Pitcher

Ms. Linda Pozza
Mr. and Mrs. Clay Annis
Mr. and Mrs. Gordon Gohr
Ms. Jackie Juras
Mr. Michael Montani
Mr. and Mrs. James W. Moore
The Scampini girls

Mrs. Nettie Prager
Dr. Simeon Prager
Mr. and Mrs. Manuel S. Sherberg

Mrs. Roberta Stahl Prante
Mr. Gerald W. Prante

Mrs. Shirley Pupillo
Missouri Botanical Garden—Docents

Mr. Fred Radman
Ms. Martha S. Gersten

Adele W. Reby, D.D.S.
Dr. and Mrs. Barry J. Cooper
Mr. and Mrs. Richard Halpern
Mrs. Karen Larson Lederer
Mr. Larry Weintraub and Ms. Margie Weintraub

Mrs. Barbara M. Rezny
Dr. and Mrs. Thomas A. Dew
Mrs. Suzanne Dorris
Mr. Barry Willingham and Ms. Hilde Hochwald
Ms. Miriam Hochwald
Larry and Nancy Kirchhoff

Mr. Veryl L. Riddle
Dr. and Mrs. William G. Juergens
Mr. Frederic G. Maurer III

Ms. Theresa M. Roth
Ms. Anita Joggerst

Mr. Clifford W. Rothrock
Mrs. Helen D. Sutter

Mr. Edward A. Scallet
Ms. Joanie Glassman
Mr. and Mrs. Richard Halpern
Mr. and Mrs. Walter G. Stern

Mr. Roy Schacht
Mr. and Mrs. Steven Collins

Mrs. Mary Henby Schnure
Ikenobo Ikebana Society of America, St. Louis Chapter
Lucy L. Lopata

Mr. John G. Schreiner
Mr. and Mrs. Daniel L. Gravens

Mrs. Marilyn Seltzer
Linda Price and Sandy Pierce

John G Shapleigh II, M.D.
Mississippi Valley Nurserymen's Cooperative

Mrs. Judith C. Shinkle
Mrs. Ann Case

Oswald Siegfried
Mrs. Arlene C. Miller and Mr. Hewie Powell

Mr. Gerard Siller
Mr. and Mrs. Frank Tricomi

Mr. Ted Simpson
Mrs. Frank L. Key

Ms. Sheila Small
Mr. Barry Willingham and Ms. Hilde Hochwald

Mrs. Linda K. Smith
Mr. and Mrs. John N. Appelbaum
Mr. and Mrs. Matthew Banderman
Mrs. and Mrs. Craig Biesterfeld
Ms. Stacey L. Brown
Ms. Marjorie H. Glass
Mr. and Mrs. Ben Hammer
Mr. David Haut
Mr. and Mrs. Lorin D. Hawkins
Mr. and Mrs. Brad Huntley
Husch Blackwell LLP
Mr. and Mrs. James M. Juliette
Mr. and Mrs. Devin Lause
Mr. and Mrs. Dale LeMaster
Mrs. Karen Melton
Mr. and Mrs. Paul Moll
Dr. and Mrs. Kevin Ponciroli
Mr. and Mrs. Dan Sieve
Mr. Ray P. Smith
Mr. and Mrs. Edwin Strubberg
Ms. Joyce A. Willis

Mr. Martin Smith
Mr. Mike Budnick
Mr. Paul Friemel
Mr. Ray C. Mullin
Mr. and Mrs. Dean H. Klohr
Mr. and Mrs. Robert E. Roderique

Mrs. Millie Smith
Mr. and Mrs. James E. Hullverson, Jr.

Mrs. Agnes E. Snyder
Mr. and Mrs. Chad Grasse
Mrs. Lisa Klapperich
Ms. Mary Quinn

Otto C. Stegmaier, M.D.
Ms. Emily Fisher

Mrs. Carroll Tuthill Steiner
Mr. and Mrs. Richard D. Schreiber

Ms. Suzann Stephens
Goldenberg Heller Antognoli & Rowland, P.C.
Mr. Tom LaRosa

Mrs. Marie L. Sullivan
Mr. and Mrs. Donald F. Boehm

Mrs. Jane P. Thomas
Dr. Terry Gutgsell
Mrs. Jean T. Lyford
Mr. and Mrs. Peter W. Snell
Dr. E. J. Baylis Thomas
Dr. Lewis J. Thomas, Jr.
Mr. and Mrs. Lewis J. Thomas III

Elizabeth A. Thomasson
Mr. and Mrs. William B. Eiseman, Jr.
Mr. and Mrs. Michael N. Newmark
Mr. and Mrs. Walter G. Stern
Mr. Frederick L. Tuttle and Mrs. Bruce M. Tuttle

Mr. Kenneth H. Token
Mrs. Carole A. Token

Mrs. Margaret W. Trauernicht
Mr. and Mrs. Melvin C. Bahle
Mr. and Mrs. Elliot Benoist
Mr. and Mrs. Bruce Earls
Mrs. Betty Kamman
Mrs. Ellen Langtree and Mrs. Ellen Roberts
Mr. and Mrs. H. William Reisner, Jr.
Rouse & Rouse
Mr. and Mrs. Donald E. Svoboda
Ms. Clara H. von Gontard Steinlage
Mrs. Esther W. Watel

Ms. Ann Tuttle
Dr. Betsy T. Newhall and Mr. Phillip M. Newhall

Ms. Antoinette T. Viviano
Mr. and Mrs. Walter G. Stern

Mr. Joseph E. Vollmar, Jr.
June and Fred Kummer

Mrs. Hetha B. Wagner
Mr. and Mrs. Adam Crosley
Ms. Mary Dalba
Mary Hoffmann, Puddy Krechel, Margot Goudsmit, and Ellen Redelfs
Mr. and Mrs. William R. Hunter
Miss Patty Lynch
Ms. Amy McDermott

Mr. Emil Shih-Jien Wang
Mrs. Irene R. Morrill

Mrs. Hope Warren
Mr. and Mrs. John Casey

Mrs. Nancy K. Werner
Mr. John F. Werner

Ms. Betty C. Whitman
Mr. and Mrs. Alwien Dierl

Mr. Helmuth Joseph Wiemann
A. Waldbart & Sons Nursery
Mr. and Mrs. Bruce S. Dole
Mr. Kurt E. Hensler
Mr. and Mrs. Michael Hoy
Ms. Ann Knobbe
Mr. Christopher LaBelle
Mr. Glen Patterson
Mrs. Rosemarie Saar
Mr. and Mrs. Erwin Schwarz
Mr. and Mrs. Richard Weimann
Mr. Dennis White and family
Mr. and Mrs. Hans Wiemann

Mr. Carl R. Wienold
Ms. Linda M. Koenig

Mr. George N. Wilson
Mr. Howard J. Wilkinson, Jr.

Mr. Eugene Winistoerfer
Ms. Vivian Farrell

Mrs. Millie B. Wolff
Mr. and Mrs. Henry S. Shaw
Mr. and Mrs. Mickey Shaw
Mr. Alvin A. Wolff, Jr. and Dr. June K. Wolff

Mrs. Pat Wright
Dr. and Mrs. Donald R. Oliver
Mr. and Mrs. Fred H. Perabo

Members' Entry Court

Bricks dedicated at the Garden, October through December 2011.

Engraved clay bricks and bronze bricks are a wonderful way to commemorate any special occasion, as well as final memorials. For additional information regarding the Garden's brick program, please contact the Institutional Advancement Office at (314) 577-0291 or visit www.mobot.org.

Signature Bronze Bricks

Rev. and Mrs. Robert N. Arbaugh
Mr. and Mrs. Clint Albright
Mr. and Mrs. Robert Arbaugh
Mr. and Mrs. John Carlock
Mr. and Mrs. Steven Nixon

David Vincent Gravens
Mr. and Mrs. Daniel L. Gravens

Jean and Charles Leonhardt
Mrs. J. M. Leonhardt

Annamarie Chi-Ling Leung
Family and Friends

James and Rita Nazzoli
Ms. Arlene R. Nazzoli

Roberta J. Prante
Mr. Gerald W. Prante

Greg and Diane Schweizer
Mr. Eric Schweizer
Mr. Matthew Schweizer

Linda K. Smith
Mr. Ray P. Smith
Family and Friends

Agnes E. Snyder
Mr. William J. Snyder and Ms. Mary Quinn
Family and Friends

Engraved Clay Bricks

Emma, Audrey, Noah, Rylan, Sofia, and Zoe
Mr. and Mrs. Leamon R. Barbro

Jan Baker Buckland
Mr. Bruce S. Buckland

Dominic J. Calacci
Mrs. Jane Guenther

Norma E. Clark
Mr. and Mrs. Roger D. Brueckman

Fred Haas
Mrs. Rosemary M. Pettit

Lorene and Lawrence Hake
Mrs. Anna L. Murphy

Quinta and Edward Heinberg
Mrs. Anna L. Murphy

H. James Hoeferlin
Mr. Thomas J. Comer

Fred Michaelis and Carol Keller
Mr. and Mrs. Fred A. Michaelis

Margaret Ann Kraeuchi
The Krueger Family

Tom Murphy, Jr.
Mr. and Mrs. Thomas J. Murphy

Daniel Patrick O'Connell
Mr. and Mrs. James M. McNulty

The Raif Family
Drs. Korhan and Ayca Raif

Elle and Mike Todd
Mrs. Christian A. Miller

LITTLE SHOP AROUND THE CORNER
ANTIQUES • HOME & GARDEN FURNISHINGS

4744 Castleman Ave.
St. Louis, MO 63110
www.littleshop.org

Donations to the Little Shop are a great way to help support the Garden's mission, whether you're cleaning house, downsizing, or just making room for new treasures. Large estates or heavy items can be scheduled for pickup. All donations are tax deductible. For more information, please call (314) 577-0891.

Sophia M. Sachs Butterfly House Tributes & Pavers

Tributes and Pavers dedicated at the Butterfly House, October through December 2011.

To learn more about these opportunities, call (314) 577-0291 or visit www.butterflyhouse.org.

Tributes

In Honor of

Olivia Joy Giaretta
Mrs. Amy Giaretta

Mrs. Carol Kusterer
Mr. Donald P. Kusterer

Ms. Frances H. Leimkuehler
Ms. Sara Heitshu

Mr. and Mrs. Eric P. Newman
Mr. and Mrs. Philip H. Loughlin III

Mrs. Robert Schilling
Patrick Dowd and Leslie Hammond

Mr. and Mrs. Richard Schwartz
Ms. Marilyn W. Kayser

Ms. Lynne A. Hornberger
Mrs. Rachel S. Anderson
Ms. Minette Buhr
Mark and Jessica Deering
Mrs. Gloria Ebert
Ms. Judith Hansen
Mrs. Christine Joyce
Mrs. Patricia Koester
Mrs. Carol Kusterer
Ms. Frances H. Leimkuehler
Mrs. Linda Malcom
Mr. and Mrs. Barry Morrato
Mr. and Mrs. Joseph V. Palermo, Jr.
Mrs. Helen Peng
Mr. and Mrs. Ronald L. Pfister
Ms. Cynthia D. Reynolds and Ms. Diane Cohen
Mrs. Judy. Rosen
Mrs. Joyce M. Schoeneberg
Mrs. Joan Warhover
Mr. and Mrs. Sai Chi Wong

In Memory of

Mr. Babubhai Amin
Mr. Ramdas Amin

Mrs. Dorothy E. Dodd
Mrs. Diana Burlew
Mr. and Mrs. William H. Burlew, Jr.
Mr. and Mrs. Alton Stillwell III

Carson Lee Mann
Mr. Phil Galante

Raymond Miranda and Arthur Miranda
Mr. and Mrs. John Ebert

Pavers

Katherine Marie Campanella
The Cardiovascular Department

Peggy D. Graham
Sophia M. Sachs Butterfly House Friends

Melissa Sue Leisure
Grandpa Bob

Rylee Ray Leisure
Great Grandpa Bob

Min and Sid Maltzman
Mr. Douglas Maltzman and Ms. Patricia A. Stahlhuth

Barb Maxedon
Bill and Patsy Beck
Sid and Missy Kent

Tyler Andrew McCutcheon
Great Grandpa Bob

Roberta J. Prante
Mr. Gerald W. Prante

Bonnie Ridgway
The Tucker Family

Richard and Carole Scott
Mr. and Mrs. Richard W. Scott

Sheila Small
Cathy Small

Seen at the Garden

Gardenland Express Premiere

November 29, 2011

More than 430 members attended the premiere of the Garden's holiday flower and train show. An annual favorite, this year's show capped off the Garden's TREEmendous-themed year in recognition of the U.N. International Year of Forests with "The Gifting Tree," a celebration of all that forests provide.

photos by Josh Monken

Diane and Dr. Peter Wyse Jackson and Jane and Bob Tschudy

Gardenland Express 2012

Santa and Kristen Cornett

Celeste Sprung, Andrea Craig, and Maureen Jennings

Abby Murray and Nick Mahon

Kevin Navarro

Boo and Chuck Cook

Cheryl and Keith Kowalczyk

Martin and Janet Schwarze

Steve and Ann Bowen

Orchid Show Members' Premiere

Thursday, February 2, 2012
Presented by Wells Fargo Advisors

More than 500 members attended the premiere of the 2012 Orchid Show, which kicks off the Garden's "Year of China" and marks the 25th anniversary of the *Flora of China* project. The display of 800 blooming orchids included stunning set pieces inspired by the Margaret Grigg Nanjing Friendship Chinese Garden.

photos by Josh Monken

Mr. and Mrs. Luis Naranjo and Mr. and Mrs. Randall Lewis

Michael Goldberg and Shari O'Brien

Meagan Ridgeway and Kimberly Singer

Sheila Hoffmeister, Nancy Kirchoff, and Sally Dormuth

LANTERN FESTIVAL

ART BY DAY, MAGIC BY NIGHT

PRESENTED BY EMERSON

Grand Opening Weekend

Memorial Day weekend: Saturday, May 26 through Monday, May 28
9 a.m. to 10 p.m. (last entry at 9 p.m.)
Thousands of lights, tons of steel, and miles of silk add up to one magical weekend. Celebrate the grand opening of the Garden's spectacular display of 26 larger-than-life traditional Chinese lantern scenes. The festivities include a 70-foot-long dancing dragon, acrobats and street performers, a bustling Chinese marketplace, and more.

Admission: $15 member adults ($22 nonmembers), $5 member children ages 3–12 ($10 nonmembers), free to children 2 and under. To purchase tickets, visit www.mobot.org/lanternfestival and click "Tickets."

Presented by Emerson. Additional sponsorship support by BSI Constructors; Boeing; Drury Hotels Company; Edward Jones; HBE Corporation; the Konzen Family; Macy's; the Missouri Botanical Garden Corporate Council; Novus International; Scottrade; the Gene and Judy Toombs Family; and UMB Bank, N.A. Education programming sponsored by the Regional Arts Council.

Garden of Light Premiere Gala

Friday, May 25, 6:30 p.m.
Join the Garden for the opening night gala of this stunning exhibit. Enjoy fabulous food and cocktails. Follow a dragon parade. Delight in the entertainment of a Chinese acrobatic troupe. Stand in awe as a gong sounds and 26 lantern installations throughout the Garden are simultaneously illuminated for the first night of this 12-week exhibit.

Tickets: $250. For details, contact Jessica Pionke at (314) 577-5195 or jessica.pionke@mobot.org.

"Plants and People: China"

Saturday, March 31 through Tuesday, September 4, Brookings Interpretive Center
Explore a country rich in natural landscapes, habitats, and plant diversity. Discover the vast flora of China and the important role its plants and ecosystems play in the lives of people—both in China and around the world. Learn about Chinese medicine, food, clothing, shelter, and transportation methods that are derived from plants. Experience Chinese art, literature, and symbolism, all cultural aspects influenced by nature.

St. Louis Herb Society Herb Days: *Thursday, April 26, noon to 5 p.m., through Saturday, April 28, 9 a.m. to 5 p.m.* Society members will provide information on the historic use of Chinese herbs for health purposes. The Herb Society's Five Spice powder will be available for purchase.

Spring 2012 St. Louis Garden Blitz: Solve—Grow—Enjoy

Saturday, March 3, 8 a.m. to 4 p.m.
A day of seminars, demonstrations, exhibits, and workshops features both nationally and locally recognized horticulture professionals. Keynote speaker: Doug Tallamy, author of *Bringing Nature Home*. $70 members, $85 nonmembers. Advance registration required; www.mobot.org/adulteducation or (314) 577-9506. Presented by the Garden and the Horticulture Co-op of Metro St. Louis.

John Dwyer Lecture in Biology

Friday, March 9, 4 p.m., Shoenberg Theater
Garden President Dr. Peter Wyse Jackson presents "Ireland's Generous Nature—The Use of Wild Plants in Ireland through the Ages." The annual lecture series honors the memory of Dr. John Dwyer, a professor of biology at St. Louis University and former research associate of the Garden.

Nanjing Memories in Sino–U.S. Relations

Through Sunday, May 13, Monsanto Hall of Ridgway Visitor Center
A photo exhibit prepared by the Nanjing Municipal Government celebrates the 30th anniversary of their sister city relationship with St. Louis. The staff at the University of Missouri–St. Louis Center for International Studies are the custodians of the photo exhibition, depicting the history of China, Nanjing, U.S./China relations, and the sister-city relationship.

Children's Garden Opening Weekend

Saturday, March 31–Sunday, April 1, 9 a.m. to 3 p.m.
Presented by Macy's
Come celebrate our seventh season with two fun-filled days of hands-on activities. Become a plant detective and explore the plants we eat. Help plant our new edible garden and pot an edible plant to take home. Make a seed packet and pet garden rock to start your own home garden.
Admission: $5 per child (3-12), $3 for Garden members' children; adults included with general admission.

Plastic Pot Recycling

Sunday, April 1–Wednesday, October 31
Monsanto Center, 4500 Shaw Blvd.

Since 1998, our program has kept more than 1 million pounds of horticultural plastic from winding up in landfills. Bring your recyclable plastic garden pots, cell packs, and trays to the west parking lot of the Garden's Monsanto Center, 4500 Shaw Blvd. at Vandeventer. (314) 577-9441. Look for Plastic Pot Recycling at several satellite collection centers throughout the metro area through Sept. 30; for full details and a complete list of participants, visit www.mobot.org/plasticpotrecycling.

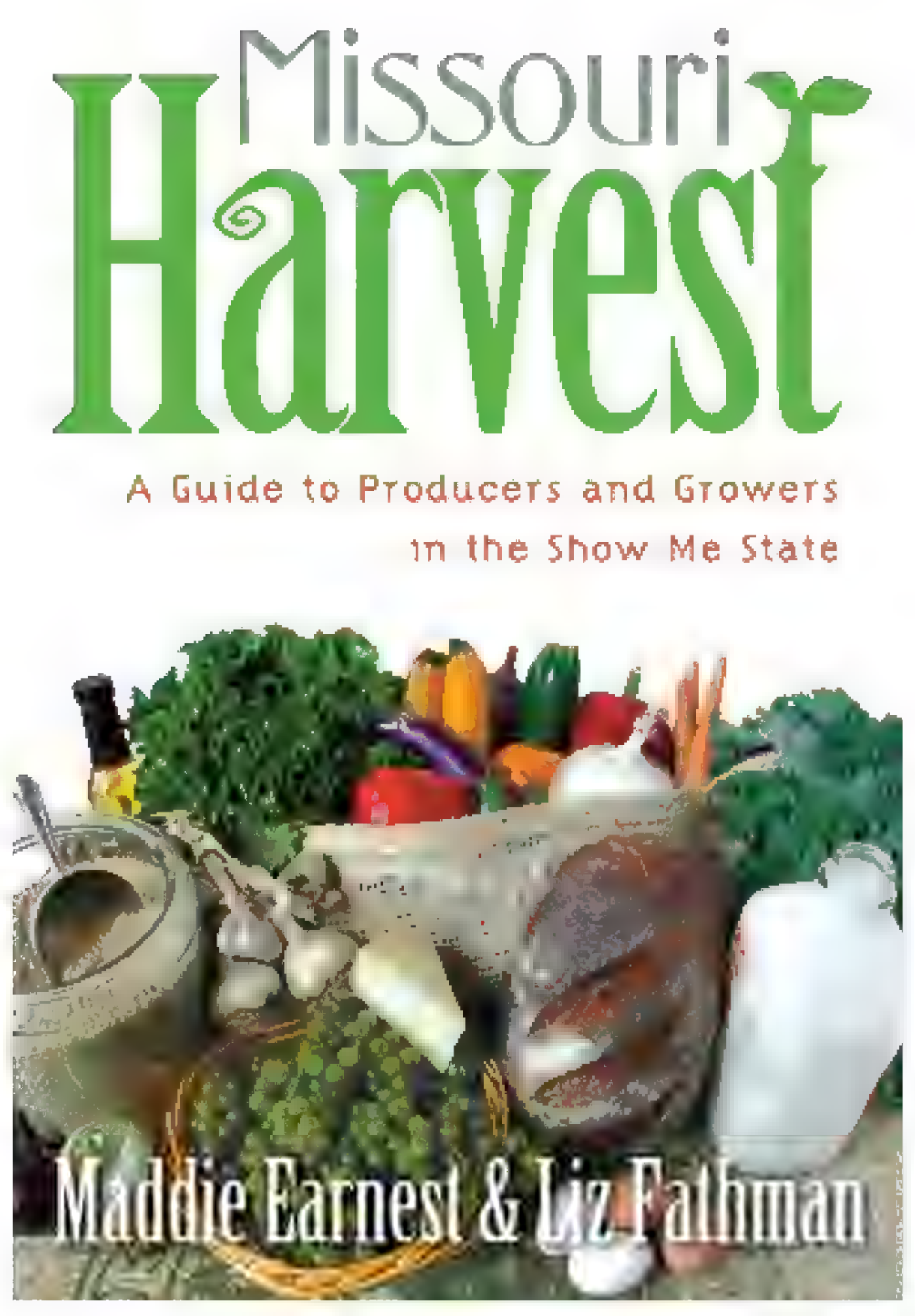
Arbor Day Tree Giveaway

Friday, April 6, 9 a.m. to 5 p.m.
(or while supplies last)
Kemper Center for Home Gardening

Come early! Six hundred shumard oak (*Quercus shumardii*), flowering dogwood (*Cornus florida*), black gum (*Nyssa sylvatica*), witch hazel (*Hamamelis vernalis*), and redbud (*Cercis canadensis*) saplings will be given away on a first-come, first-served basis, one per visitor while supplies last. Master Gardeners will answer questions and give advice on planting trees in the spring.

Missouri Harvest Book Signing

Saturday, April 7, 11 a.m. to 1 p.m.
Garden Gate Shop


Missouri
Harvest
A Guide to Producers and Growers in the Show Me State
Maddie Earnest & Liz Fathman

Did you know Missouri has the second-largest number of farms in the United States? Co-authors Maddie Earnest and Liz Fathman take you on a virtual tour of all that Missouri has to offer anyone interested in eating and shopping locally.

Third Annual Green Ball

Friday, April 27, 7 to 11 p.m.
Moonrise Hotel, 6177 Delmar Blvd.

Put on your most creative "green" attire and come enjoy live music, creative cocktails, and locally sourced cuisine while benefiting the EarthWays Center of the Missouri Botanical Garden. Ticket prices start at $60. For information, visit www.moonrisehotel.com.

Grapes and the Garden

Sponsored by Schnucks
Saturday, May 5, 3 to 7 p.m.

Join friends for a special afternoon sampling fine wines and gourmet foods. Tickets include admission to the Garden, a souvenir wine glass, unlimited wine sampling, hors d'oeuvres, musical entertainment, and a festival program. $30 members, $45 nonmembers (ages 21+). Reservations required; register online at www.mobot.org/grapesandthegarden.

whitaker MUSIC FESTIVAL

Wednesday evenings, May 30 through July 25, Cohen Amphitheater

Pack your blanket, chairs, and a picnic supper and come join us for our 19th year of concerts under the stars. Kicking off the series May 30 is Marquise Knox. Admission is free after 5 p.m. Music begins at 7:30 p.m. Last entry at 9 p.m. The Doris I. Schnuck Children's Garden remains open with free admission from 5 to 7 p.m. Sponsored by the Whitaker Foundation. (A complete list of performers will appear in the summer issue of the *Bulletin*.)

Just for Members

Members' Day: March Morpho Mania

Wednesday, March 14, 11 a.m.

The Butterfly House will host a special lecture on the topics of blue morpho butterflies and butterfly farming, followed by a walk through the Conservatory to see the magnificent morphos in action. Space is limited to 40. Reservations required: call (636) 530-0076 ext. 810.

Eggstravaganza

Saturday, March 31, 10 a.m.

Win prizes, pet live rabbits from the House Rabbit Society, meet the Garden Bunny, and play in the Doris I. Schnuck Children's Garden. Timed egg hunts begin every 30 minutes starting at 10 a.m. with the final start time at noon. Age groups are divided for every hunt. Children 2 to 12 are $5. Children under 2 are free. Reservations required; visit www.mobot.org/events.

Members' Day: Culinary Herbs

Thursday, April 26, 11 a.m. (coffee and tea at 10:15), Shoenberg Theater

Anne Cori, owner of Kitchen Conservatory, will address the use of herbs and spices in Chinese cuisine. Be sure to check out the Herb Society Show and Sale in Orthwein Floral Display Hall. Reservations required; visit www.mobot.org/events.

Members' Day: Lantern Festival

Tuesday, May 22, 11 a.m. (coffee and tea at 10:15), Shoenberg Theater

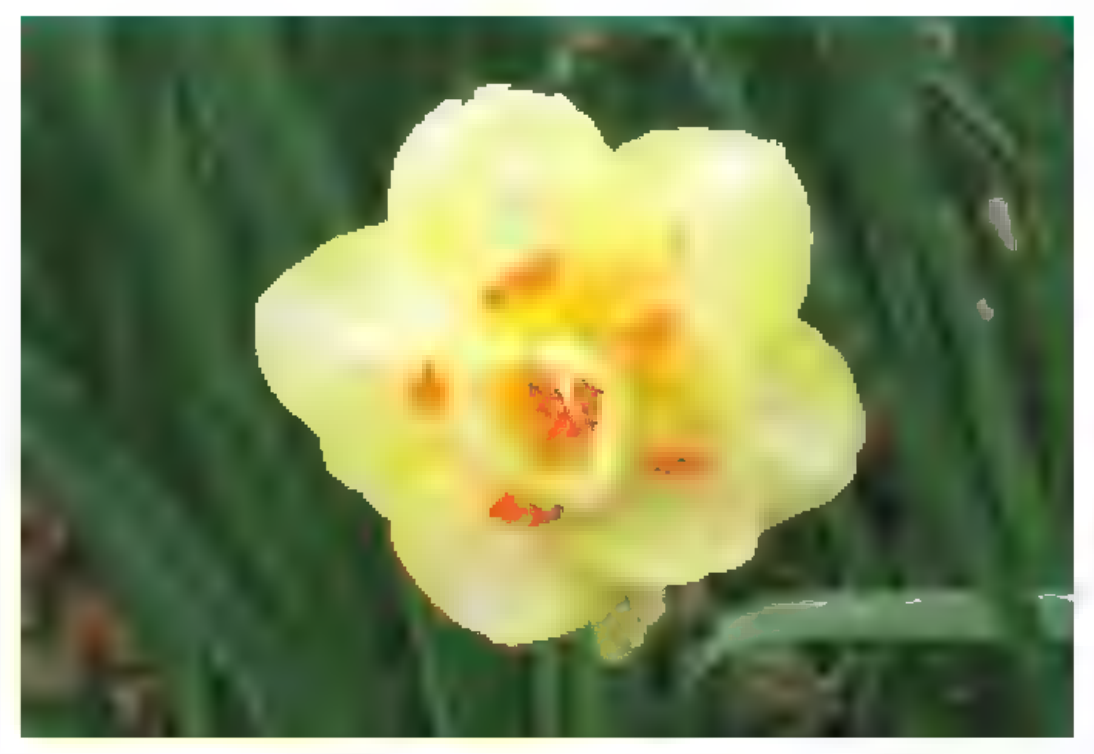
The program features the Garden's expert on the *Flora of China* project and a discussion of the Lantern Festival. Reservations required; visit www.mobot.org/events.

Tower Grove House, narrated tram tours, and the Terrace Café also resume seasonal operations April 1.

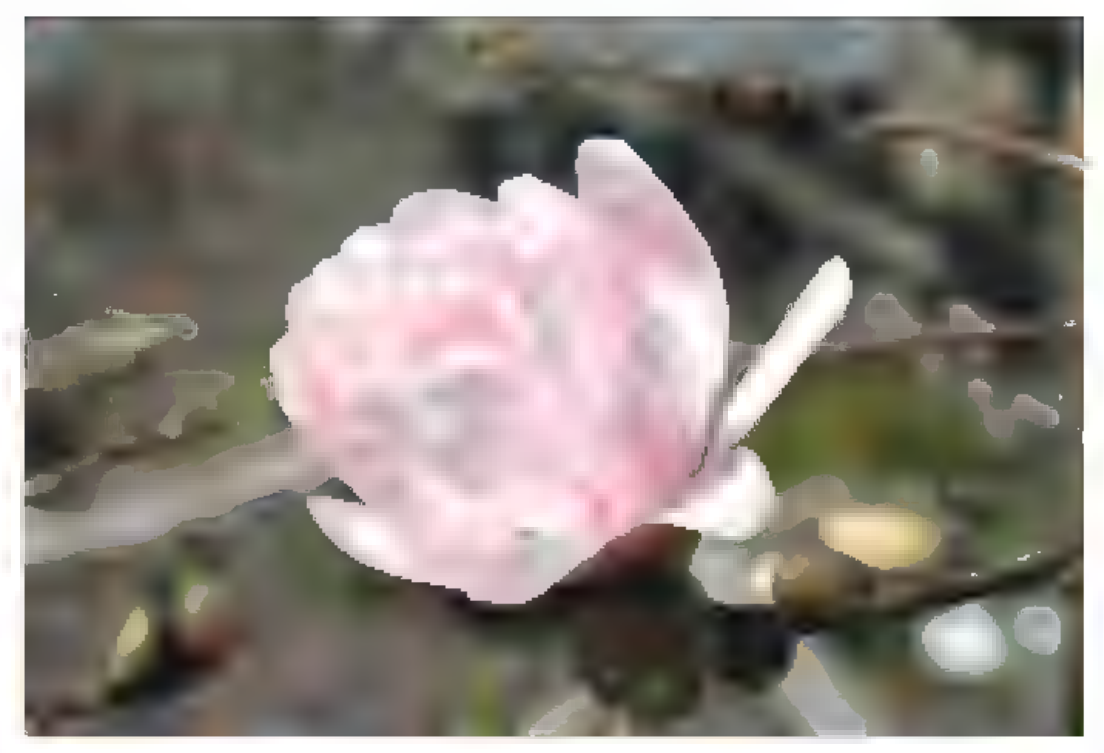
March
2012

average temperature: low 36.2°, high 55.4°
average precipitation: 3.6 in.

What's in bloom?



daffodil



magnolia

crocus

shasta daisy

sweet broom

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
兰花展 ORCHID 2012 SHOW PRESENTED BY KELLY FAMILY DIVISION	**THROUGH MARCH 25** The Garden's Orchid Show features 800 blooming orchids from one of the world's premier collections, presented in a lush, tropical landscape.		Come join us for MARCH MORPHO MANIA® at the Butterfly House	01 ▪ Orchid Show, through March 25. $ RVC ▪ Nanjing Memories in Sino–U.S. Relations, through May 13. MH ▪ March Morpho Mania, through March 31. BH	02	03 ▪ Spring 2012 St. Louis Garden Blitz. 8 a.m. $☎ MBG
04	05	06 ▪ *Power of Plants* student art display, through May 22. RVC	07	08 ▪ Native Plant School: Deer-Resistant Native Plants. 1 p.m. $ ☎ SNR	09 ▪ 2012 John Dwyer Lecture in Biology. 4 p.m. ST ▪ Native Plant School: Book Review 2: "Bringing Nature Home" by Doug Tallamy. 5 p.m. $ ☎ SNR	10
11	12 ▪ 20% off garden equipment, through March 31. GGS	13	14 ✿ Members' Day: March Morpho Mania. 11 a.m. BH	15	16 ▪ Around the World Wine Dinner: Argentina. 6:30 p.m. $☎	17 ST. PATRICK'S DAY ▪ Great Green Adventures: Signs of Spring. 10:30 a.m. and 1:30 p.m. $ CHD
18	19	20	21	22	23	24 ▪ Shaw Nature Reserve book signing. 11 a.m. GGS
25	26	27	28	29	30 ▪ Summer Bulb Sale. GGS	31 ✿ Eggstravaganza, 10 a.m. $☎ CHD ▪ "Plants and People: China" opens, through Aug. 19. BC ▪ Children's Garden Opening Weekend. 9 a.m. to 3 p.m. $ CHD ▪ Summer Bulb Sale. GGS

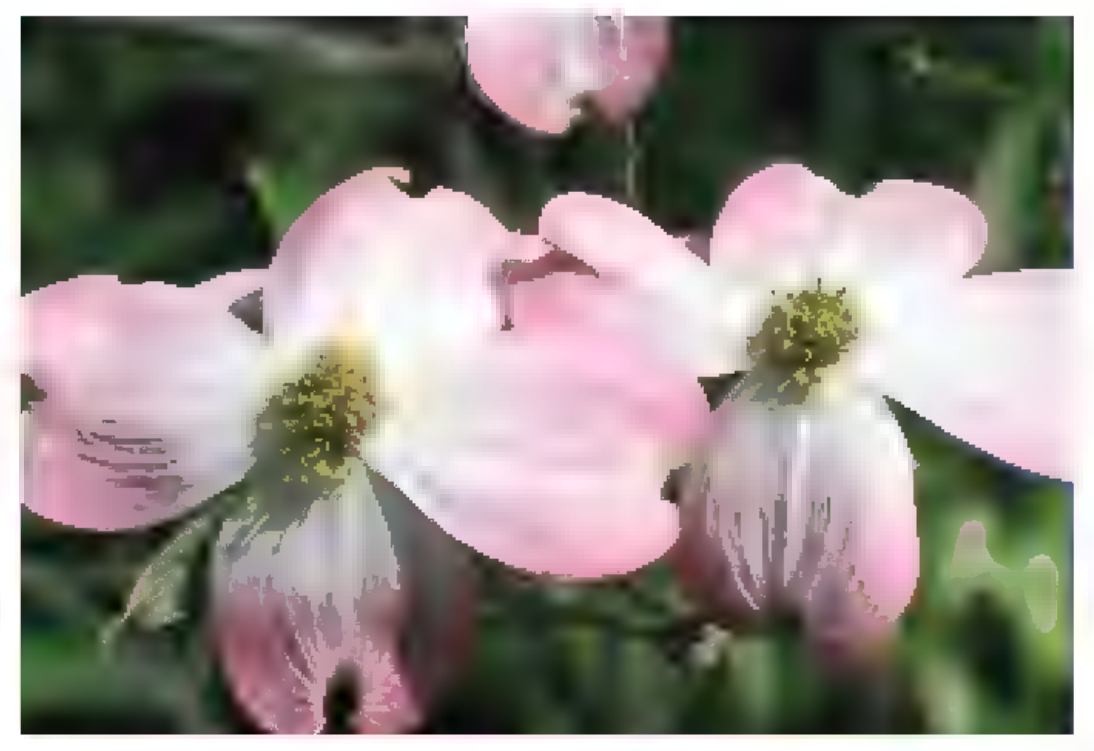
photos by Lisa Francis, Brian Mueller, and Caroline Philippone

April
2012

average temperature: low 46.5°, high 66.7°
average precipitation: 3.69 in.

What's in bloom?

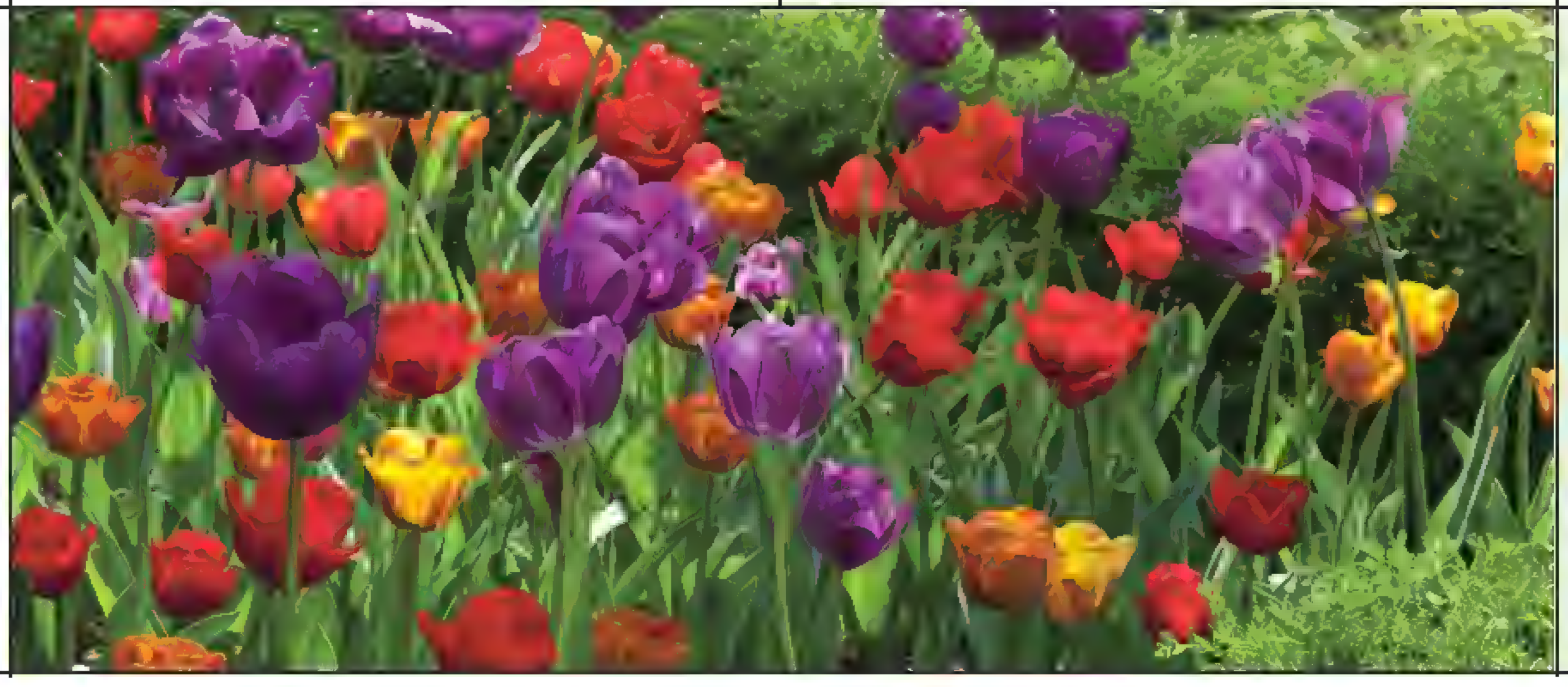
tulip


dogwood

hyacinth

foam flower

azalea

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
01 PALM SUNDAY Café Flora brunch. 10 a.m. $ SP Children's Garden Opening Weekend. 9 a.m. $ CHD Summer Bulb Sale. GGS	02 Summer Bulb Sale. GGS	03	04	05	06 GOOD FRIDAY Arbor Day Tree Giveaway. 9 a.m. KMP	07 PASSOVER Naturally Crafty. 10 a.m. BH *Missouri Harvest* book signing. 11 a.m. GGS
08 EASTER Easter Brunch, 10:30 a.m., noon, and 2 p.m. $☎🌿 Café Flora brunch. 10 a.m. $ SP	09	10	11	12 Native Plant School: Sedges for Native Landscaping. 9 a.m. $ ☎ SNR Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 1. 1 p.m. $ ☎ SNR	13 Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 1. 1 p.m. $ ☎ SNR	14 Greater St. Louis Daffodil Society Show. RVC
15 Greater St. Louis Daffodil Society Show. RVC Café Flora brunch. 10 a.m. $ SP Tale Travelers. 1 p.m. $ ☎ SNR	16	17	18	19	20 Around the World Wine Dinner: The Rhône Valley. 6:30 p.m. $☎	21 Great Green Adventures: Spring Wildflower Walk. 10:30 a.m. and 1:30 p.m. $ CHD African Violet Council Sale and Mid America Regional Lily Society Sale. RVC Buggin' Out for Earth Day. 11 a.m. BH
22 EARTH DAY Metropolitan St. Louis African Violet Council Sale and Mid America Regional Lily Society Sale. RVC Café Flora brunch. 10 a.m. $ SP Corporate Partners Day. BH	23	24	25	26 ✿ Members' Day: Culinary Herbs. 11 a.m. ST St. Louis Herb Society Herb Days. RVC Native Plant School: Container Gardening and Native Annuals. 9 a.m. $ ☎ SNR	27 ARBOR DAY St. Louis Herb Society Herb Days. RVC Green Ball. Moonrise Hotel. 7 p.m. $☎	28 Earth Day. 10 a.m. MH St. Louis Herb Society Herb Days. RVC West County Daylily Club Sale. RVC Native Plant School. 1 p.m. $ ☎ SNR
29 Cafe Flora brunch. 10 a.m. $ SP Greater St. Louis Iris Society Show. Noon. RVC	30					

KEY *(All events take place at the Garden unless otherwise noted.)*

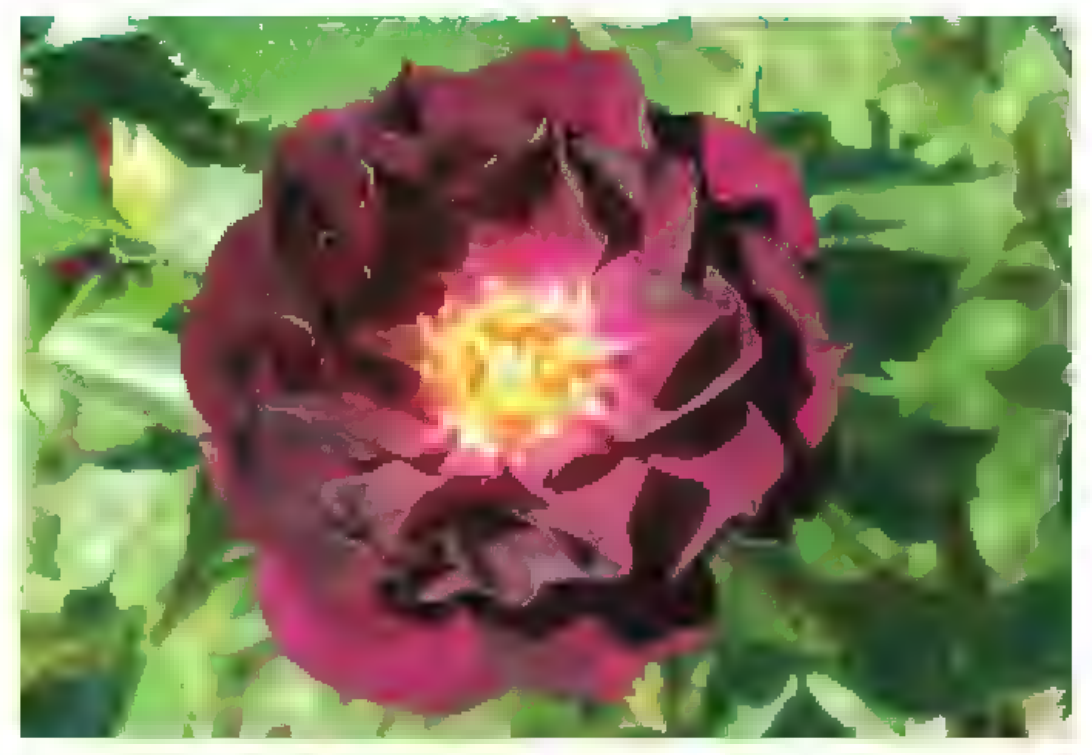
BH	Butterfly House
CA	Cohen Amphitheater
CBEC	Commerce Bank Center for Science Education
CHD	Children's Garden
CL	Climatron lawn
GGS	Garden Gate Shop
JE	Jordan Education Wing in the Visitor Center
KC	Kemper Center for Home Gardening
LS	Little Shop Around The Corner
MC	Monsanto Center
MH	Monsanto Hall in Ridgway Visitor Center
RVC	Ridgway Visitor Center
SNR	Shaw Nature Reserve
SP	Spink Pavilion
ST	Shoenberg Theater in Ridgway Visitor Center
🌿	Sassafras
✿	Members-only event
☎	Reservations required
$	Fee required

photos by Lisa Francis, Mary Lou Olson, and Ben Staver

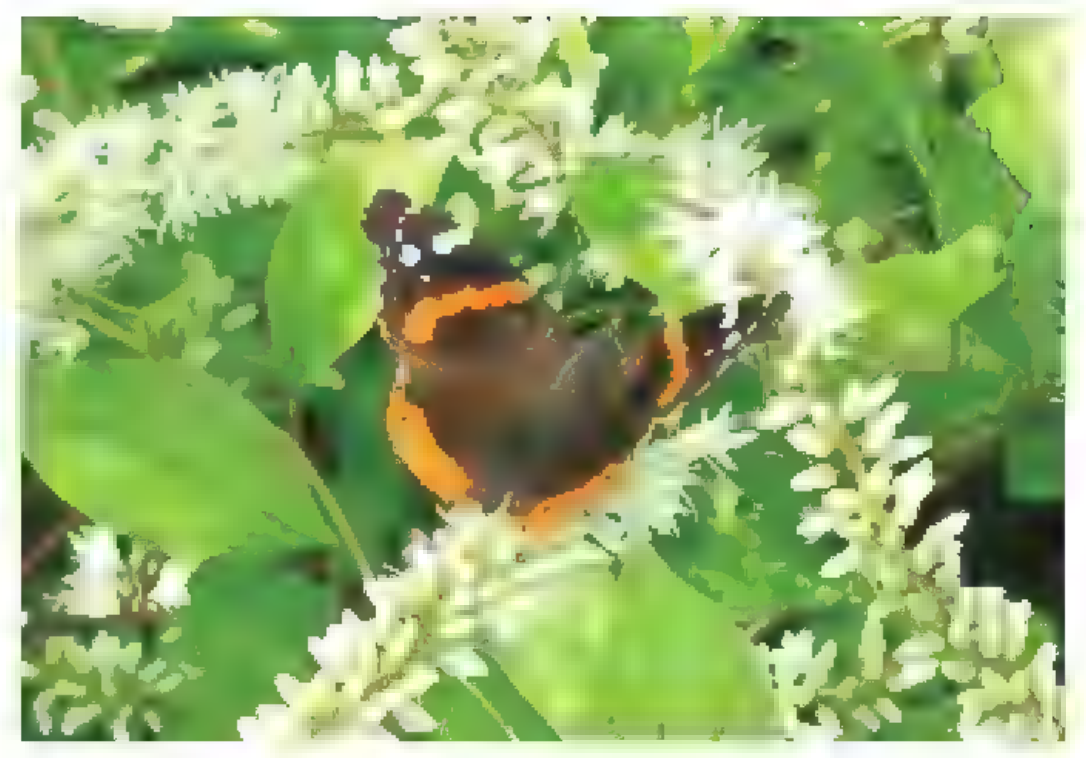
May 2012

average temperature: low 56.6°, high 76.5°
average precipitation: 4.11 in.

What's in bloom?

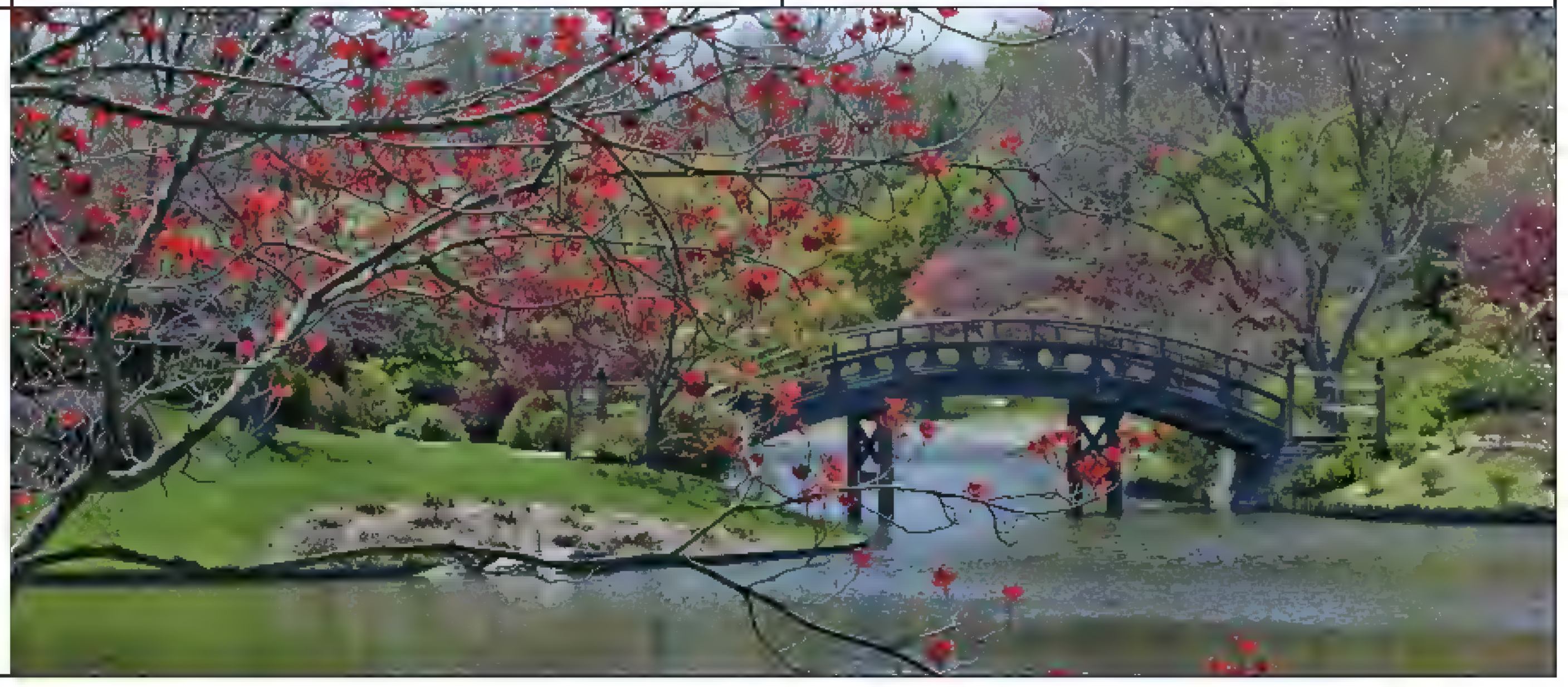

rose

bell flower


Virginia sweetspire

clematis

iris

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
LANTERN FESTIVAL ART BY DAY, MAGIC BY NIGHT MAY 26–AUGUST 19 Presented by EMERSON		01	02	03 🟩 St. Louis Storytelling Festival. 10 a.m. RVC	04 🟩 St. Louis Storytelling Festival. 10 a.m. RVC	05 🟩 Grapes and the Garden. 3 to 7 p.m. $☎
06 🟩 Greater St. Louis Iris Society Sale. RVC 🟩 Café Flora brunch. 10 a.m. $ SP	07	08	09	10 🟩 Science Café. "Digitizing the Works of Charles Darwin." 7 p.m., Herbie's Restaurant, 405 N. Euclid. 🟩 Little Shop Around the Corner Members' Preview Sale, 9 a.m.	11 ✿ Members Only Early Bird Spring Wildflower Sale. 4 p.m. SNR 🟩 Little Shop Around the Corner Sale, through May 13.	12 🟩 Greater St. Louis Dahlia Society Sale. RVC 🟩 Spring Wildflower Sale. 9 a.m. SNR
13 MOTHER'S DAY 🟩 Mother's Day Brunch. 10 and 11:30 a.m., 1 p.m. $☎ 🟩 Café Flora brunch. 10 a.m. $ SP 🟩 Greater St. Louis Dahlia Society Sale. RVC	14	15	16 Member Sale at the Garden Gate Shop	17 🟩 Native Plant School: Gardening for Wildlife and People. 1 p.m. $☎ SNR	18 🟩 Around the World Wine Dinner: Australia. 6:30 p.m. $☎ 🟩 Heirloom tomato and vegetable sale, through May 21. GGS	19 🟩 Great Green Adventures 10:30 a.m. and 1:30 p.m. $ CHD 🟩 Hosta Society Show 🟩 Bonsai, Rose, Carnivorous, and Horticultural Societies Sales 🟩 Native Plant School. 1 p.m. $☎ SNR
20 🟩 Hosta Society Show. RVC 🟩 Bonsai, Rose, and Horticultural Societies Sales. RVC 🟩 Café Flora brunch. 10 a.m. $ SP Member Sale GGS	21	22 ✿ Members' Day: Lantern Festival. 11 a.m. ST	23	24	25 "Garden of Light" Premiere Gala. $☎	26 Grand Opening Weekend
27 Grand Opening Weekend	28 MEMORIAL DAY Grand Opening Weekend	29	30 whitaker MUSIC FESTIVAL 7:30 p.m. CA	31		

photos by Lisa Francis, Brian Mueller, and Leslie Wallace

Grow Your Own!

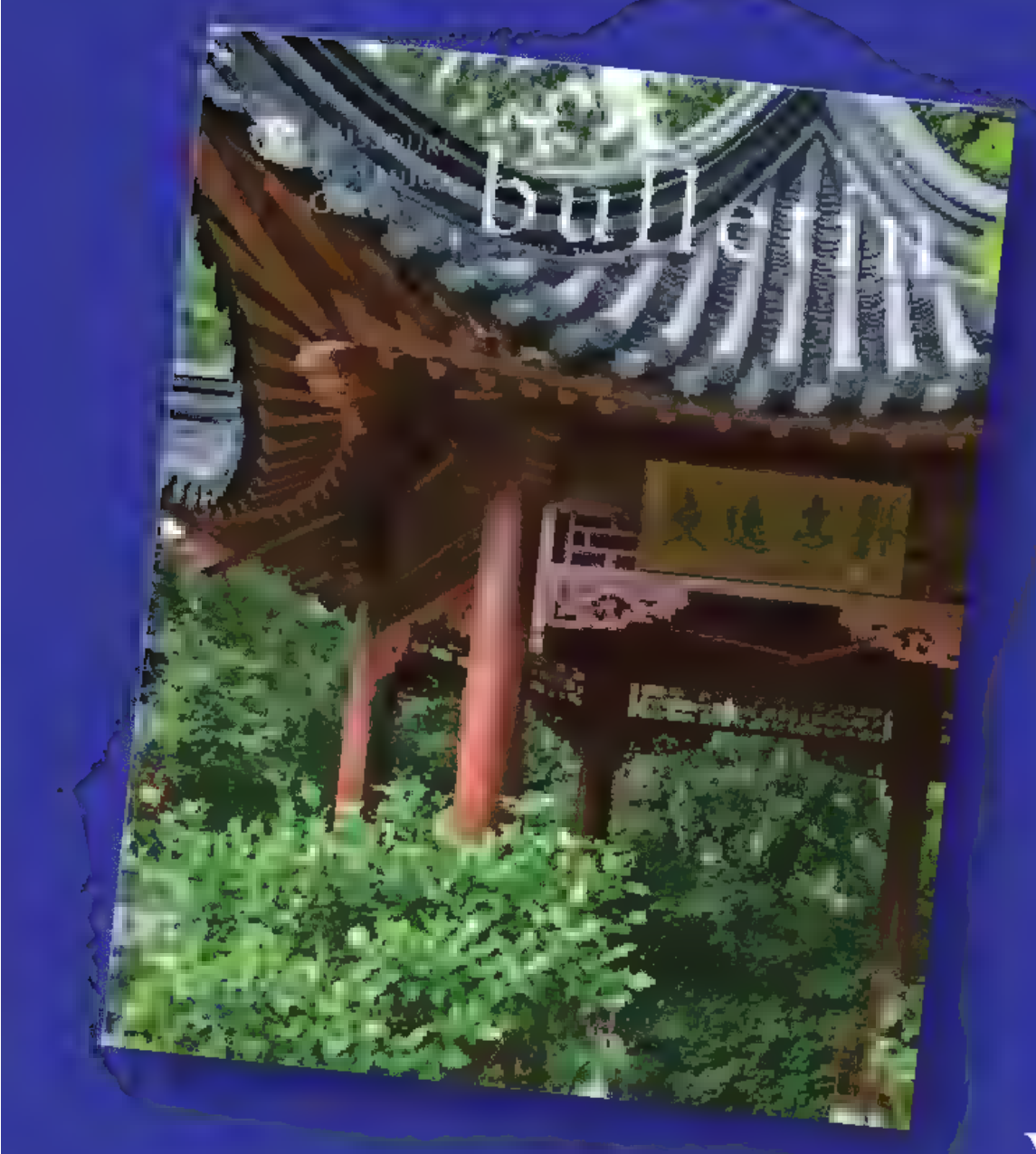
Includes 175+ Activities for the Whole Family to Enjoy
Project Garden
A Month-by-Month Guide to Planting, Growing, and Enjoying ALL Your Backyard Has to Offer
Stacy Tornio
Espoma
Garden-tone
For Organic Gardening
tasty tomatoes
Jim Helmore and Karen Wall
Oh No, Monster Tomato!

photo by Christina Kelley

GARDEN GATE SHOP.ORG

All proceeds benefit the Missouri Botanical Garden.

Warmer weather means it's time to get started in your spring garden. The Garden Gate Shop has a wide array of gifts for gardeners of all ages. Members always receive a discount.



Ready to Go Electronic?

The *Bulletin* is available as a downloadable PDF for viewing onscreen on your computer. Sign up for the new online version by sending an e-mail to membership@mobot.org. Let us know if you'd like to forego your paper subscription to save trees.

You can also send an e-mail to membership@mobot.org if:

☐ Your name is misspelled
☐ Your address is incorrect
☐ You receive more than one copy
☐ You no longer wish to receive the *Bulletin*

MISSOURI BOTANICAL GARDEN
P.O. Box 299 • St. Louis, MO 63166–0299

PERIODICALS
POSTAGE PAID AT
ST. LOUIS, MO

LANTERN FESTIVAL

ART BY DAY, MAGIC BY NIGHT

MAY 26–AUGUST 19, 2012

PRESENTED BY **EMERSON**™

Missouri
Botanical
Garden

bulletin

Summer 2012 Vol. 100, No. 3 www.mobot.org

LANTERN FESTIVAL

ART BY DAY, MAGIC BY NIGHT

MAY 26–AUGUST 19

Presented by EMERSON

photo by Koraley Northen

President's Comment

For the past 25 years, the Garden has been spearheading the *Flora of China*, a comprehensive record of the country's 31,500 plant species. China is home to approximately 12 percent of the world's flora. More than half of those are found nowhere else in the world. In 2012, we are celebrating a "Year of China" to highlight the Garden's remarkable achievements in researching the plants of this region.

Given the daunting level of the *Flora of China* project, you might well ask what comes next? In May, we announced a major new project to prepare a first-ever comprehensive catalogue of the world's plants between now and 2020. The project will be undertaken in collaboration with partners worldwide, led by the Missouri Botanical Garden, the New York Botanical Garden, the Royal Botanic Garden Edinburgh, and the Royal Botanic Gardens, Kew.

This ambitious and challenging project will involve compiling and developing key information on up to 400,000 plant species as a 'World Flora Online', freely available on the internet. Much of the work will build on and make use of many of the Garden's plant science projects, including the *Flora of China*, the *Flora of North America*, and work in many other regions, and utilize our world-class botanical database, Tropicos™.

This is one of the primary targets of the Global Strategy for Plant Conservation, an action plan first adopted in 2002 by the United Nations' Convention on Biological Diversity to halt the rapid loss of biodiversity worldwide. Having an authoritative, accessible, and comprehensive baseline of information on all of the plants will be an essential tool in helping to conserve them.

Peter Wyse Jackson

Dr. Peter Wyse Jackson,
President

As a Garden member, did you know that:

- You get free admission for two adults and all children 12 and under to the Shaw Nature Reserve and Sophia M. Sachs Butterfly House?
- You get free admission to the Children's Garden all day Tuesday, and from 9 a.m. to noon, Wednesday and Saturday? (Closed November – March)
- Special members' days entitle you to exclusive events and activities, as well as free tram rides and discounts in the gift shop and café?
- You get free or reduced price admission to nearly 270 botanical gardens and arboreta in the U.S. and Canada?

These are only a few of the benefits of membership. If you upgrade your membership, you get even more! Visit us at mobot.org/membership, email membership@mobot.org, or call (314) 577-5118.

Board of Trustees

Officers
Chair
W. Stephen Maritz
Vice Chair
Cheryl P. Morley
President
Peter S. Wyse Jackson, M.A., Ph.D., FLS
President Emeritus
Peter H. Raven, Ph.D.

Members
Mrs. Walter F. Ballinger II
Catherine B. Berges
Daniel A. Burkhardt
Arnold W. Donald
Lelia J. Farr
Sharon D. Fiehler
Robert R. Hermann, Jr.
David M. Hollo
David W. Kemper
Charles E. Kopman
Hal A. Kroeger
Carolyn W. Losos
Daniel J. Ludeman
Cynthia S. Peters
Nicholas L. Reding
Steven C. Roberts
Marsha J. Rusnack
Rakesh Sachdev
Scott C. Schnuck
Rex A. Sinquefield
Nancy R. Siwak
Andrew C. Taylor
Eugene M. Toombs

Ex Officio
Rev. Lawrence Biondi, S. J.
The Hon. Charlie A. Dooley
Myrtle E.B. Dorsey, Ph.D.
Thomas F. George, Ph.D.
Benjamin H. Hulsey
The Hon. Francis G. Slay
The Rt. Rev. George Wayne Smith
Richard T. Sullivan, Jr.
Mark S. Wrighton, Ph.D.

Members Emeriti
Clarence C. Barksdale
John H. Biggs
Stephen F. Brauer
William H.T. Bush
Bert D. Condie III
Prof. Sir Peter R. Crane FRS
L. B. Eckelkamp, Jr.
M. Peter Fischer
Marilyn R. Fox
Robert R. Hermann
Edward D. Higgins
Paula M. Keinath
Rosalyn H. Kling
Robert E. Kresko
June M. Kummer
Lucy L. Lopata
James S. McDonnell III
Helen E. Nash, M.D.
Evelyn Edison Newman
Roy Pfautch
Mabel L. Purkerson, M.D.
Lucianna G. Ross*
Anthony F. Sansone, Sr.
Joseph F. Shaughnessy
Robert B. Smith III
Nora R. Stern
William K.Y. Tao, D.Sc.
George E. Thoma, M.D.
Jack E. Thomas
Jane S. Tschudy
John K. Wallace, Jr.
O. Sage Wightman III
Roma B. Wittcoff

Honorary
Surinder M. Sehgal, Ph.D.

Members' Board
Laure B. Hullverson, *President*
Mary Ella Alfring
Ann M. Bowen
Eileen M. Carr
Ann L. Case
Sue Cohen
Kristen Cornett
Andrea Craig
Jeanne P. Crawford
Janelle Criscione
Angela Dalton
Jean C. Davis
Mary Kay Denning
Ellen Dubinsky
Audrey Feuerbacher
Linda M. Finerty
Michael C. Heim
Janice A. Hermann
Lise Herren
Sheila Hoffmeister
Leslie P. Hood
Maureen R. Jennings
Ellen E. Jones
Janet B. Lange
Mary V. Longrais
Parker B. McMillan
Isabelle C. Morris
Gale Murphy
Jacquelin S. Naunheim
Mary Neher
Anita D. O'Connell
Sue B. Oertli
Sue M. Rapp
Susan N. Rowe
Sammy Ann Ruwitch
Marsha J. Rusnack
Nancy L. Sauerhoff
Ron Schlapprizzi
Susie Littmann Schulte
Kathleen Smith
Celeste D. Sprung
Carol A. Squires
Susan Squires Goldschmidt
Brent St. John
Nora R. Stern
Elizabeth Teasdale
Jane S. Tschudy
Douglas R. Wolter

Botanical Garden Subdistrict of the Metropolitan Zoological Park and Museum District
Theresa Loveless
John C. McPheeters
Marcia B. Mellitz
Martin Schweig
Pamela Shephard
Walter G. Stern
Marjorie M. Weir
Roy Jerome Williams, Sr.
Robert M. Williams, Jr.
Hillary B. Zimmerman

Non-voting advisory members:
Willie J. Meadows
Janice M. Nelson
James H. Yemm
Francis Yueh

** deceased*

Garden Hours

The Garden is open 9 a.m. to 5 p.m. every day except December 25.

Outdoor walking hours begin at 7 a.m. Wednesday and Saturday (except during signature events).

General Admission

$8 ($4 for residents of St. Louis City and County); children 12 and under are free. Garden members receive free admission (based on level).

Children's Garden: $5 for children; adults admitted free. ($3 for Garden members' children.) Members' children admitted free on Tuesdays. Open April through October.

Contact

Missouri Botanical Garden
4344 Shaw Blvd., St. Louis, MO 63110
(314) 577-5100 • www.mobot.org

On the Cover:

Lantern Festival, Welcoming Dragon
Photo by Dilip Vishwanat.

Credits

Editor: Jeff Ricker
Designer: Ellen Flesch

The *Bulletin* is a benefit of Garden membership.
The BULLETIN (ISSN 0026-6507) is published quarterly by the Missouri Botanical Garden, 4344 Shaw Blvd., St. Louis, MO 63110. Periodicals postage paid at St. Louis, MO

POSTMASTER: Please send address changes to *Bulletin*, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299

Sustainability

The Missouri Botanical Garden *Bulletin* is printed on paper containing 100% post-consumer recycled content, that is, paper that you might have placed in the recycle bin in your home or office this year. It is manufactured using wind power, a renewable energy source. We print locally, so there is no long-haul transportation, and we're reinvesting in our community. We work hard to choose the most environmentally responsible paper around. So if you aren't quite ready to go completely electronic with our online version, you can still enjoy your paper *Bulletin* in good conscience. Once you've read it, please recycle.

photo by Brain Mueller

Contents

8 The Magic Behind the Art
How the Lantern Festival came together.

10 Your Garden at Night
Create an outdoor enclave for sundown and beyond.

President's Comment 2
News 4
Butterfly House. 11
Shaw Nature Reserve 12
Tributes 13
Seen at the Garden 16
Events 18
Calendar. 20

To discover and share knowledge about plants and their environment in order to preserve and enrich life.

– mission of the Missouri Botanical Garden

News

Representatives meeting at the Garden to discuss the World Flora project included, from left: Dr. Bob Magill, senior vice president, science and conservation, MBG; Melissa Tulig, associate director of the William and Lynda Steere Herbarium, NYBG; Professor Stephen Blackmore, Regius keeper, RBGE; Chuck Miller, vice president, information systems, MBG; Dr. James Miller, dean and vice president for science, NYBG; Dr. Mark Watson, coordinator of RBGE's Major Floras Programme; Dr. David Simpson, assistant keeper and head of systematics, RBG Kew; Dr. Alan Paton, assistant keeper and head of biodiversity, information, and conventions, RBG Kew; Dr. Peter Wyse Jackson, president, MBG; and Nicholas Turland, associate curator, MBG.

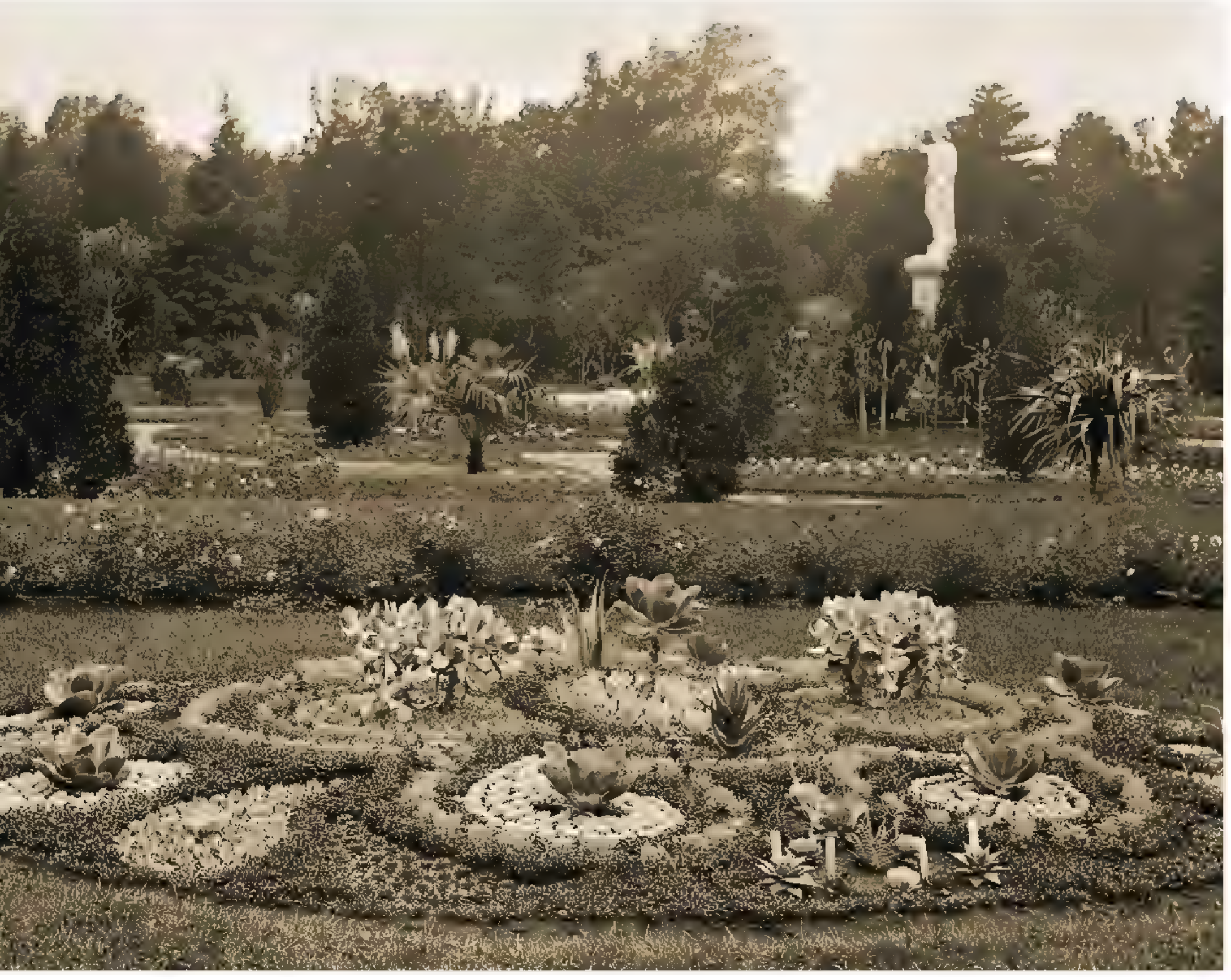
Gardens Launch Online World Flora Project

The Missouri Botanical Garden (MBG), together with the Royal Botanic Gardens, Kew (RBG Kew), the Royal Botanic Garden Edinburgh (RBGE), and The New York Botanical Garden (NYBG), is developing the first modern, online catalog of all the world's plants—the World Flora—to be available by 2020.

This massive undertaking will include information on up to 400,000 plant species. It will also achieve a primary target of the Global Strategy for Plant Conservation, an ambitious effort first adopted by the United Nations' Convention on Biological Diversity in 2002, to halt the continuing loss of plant biodiversity around the globe.

"There are few institutions in the world that have the capacity to foster this project, and no one of us could do this alone," said Garden President Dr. Peter Wyse Jackson. "We all want to see this come to fruition, and the entire international community will benefit from it."

Of the estimated 400,000 species of vascular plants on Earth, some 10 percent have yet to be discovered. At least 100,000 of those species face extinction due to climate change, environmental factors, and human interaction.



Succulents displayed in a formal bed at the Garden, date unknown. The Pin Cushion Garden in the Lichtenstein Victorian District is being renovated to feature similar displays. (photo courtesy of Missouri Botanical Garden Archives)

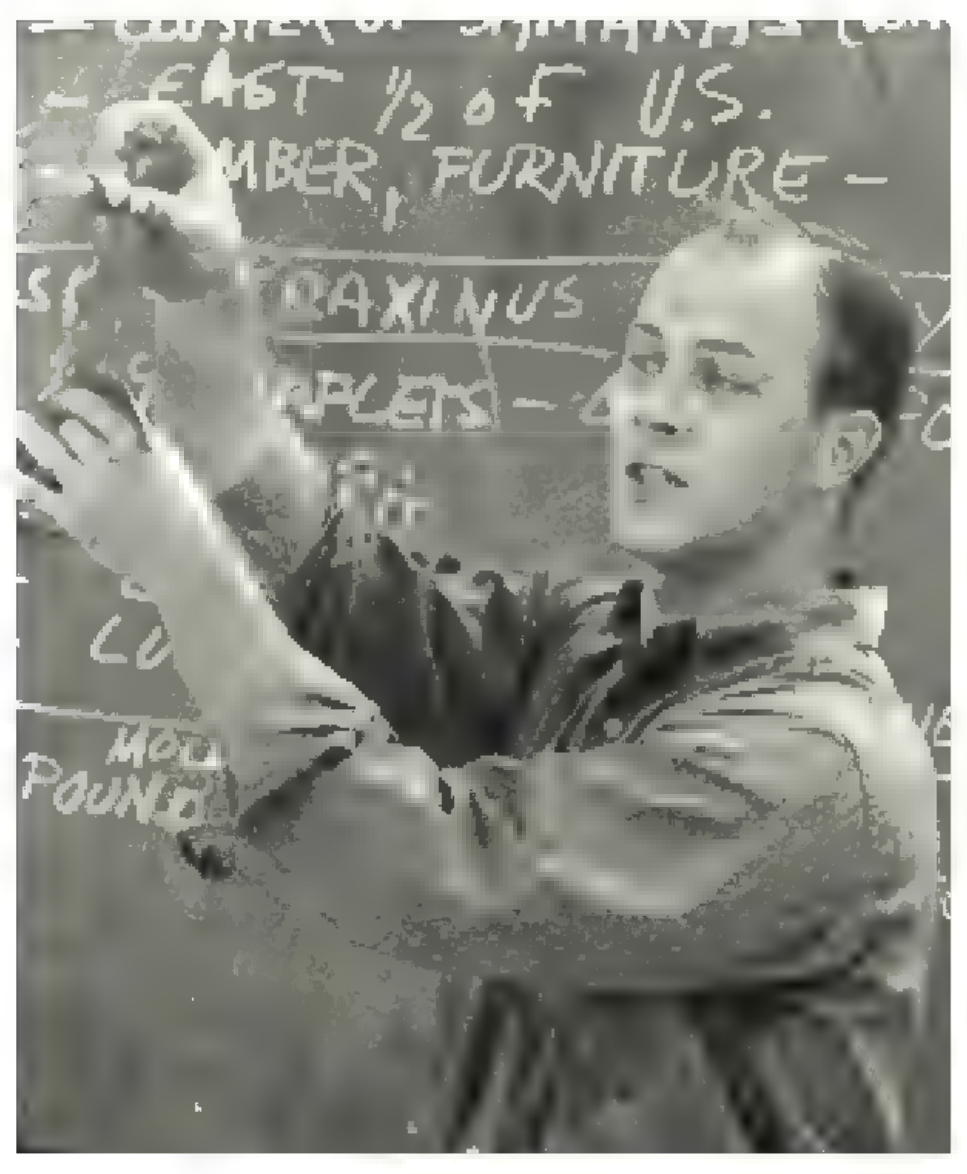
Swift Transformation and a Sharper Pin Cushion

The Swift Family Garden by the Linnean House is being renovated to enhance the eastward vista and transform it into a more classical English landscape feature.

A formal hedge of hornbeam (*Carpinus betulus*) is being planted along the south side of the vista. The grass surrounding the pool on the eastern end will become planting space for annuals. The arbor on the east end has been removed, and the pool that was under it will be used for tropical water lilies. The enhanced symmetry draws the eye to the eastern end of the vista, where a large planted container will be added in 2013.

The perennial border running parallel to the central beds and pools is also being modified to showcase wild-sourced, herbaceous Eurasian species from areas such as Romania, central Asia, and the Caucasus. This change is part of ongoing efforts to create horticultural displays that highlight the Garden's research and conservation efforts, while bringing visitors in closer contact with greater plant diversity.

In the Victorian District, the Pin Cushion Garden, made possible through a generous donation by the David B. Lichtenstein Foundation, is being converted into a more traditional Victorian display. These 20 circular display beds will become home to some 33,000 succulent plants arranged in geometric designs. Drainage and irrigation improvements were completed in late winter and early spring for the new displays.



In Memoriam: Kenneth Peck 1931–2012

People who took part in the Garden's education programs in the '60s and '70s have many fond memories of Kenneth Peck. Mr. Peck worked at the Garden from 1957 to 1981 and is credited with starting the

Garden's education programs, which he managed almost singlehandedly for 10 years. As head instructor, he taught classes both for youngsters and adults at the Garden and Shaw Nature Reserve (then known as Shaw Arboretum).

Mr. Peck later worked at A.H. Hummert Seed Co. as technical director and lectured at the University of Missouri and Webster University. He and his wife, Abby, also ran the Wenom-Drake bed and breakfast in Kimmswick, were he was an alderman.

Kenneth Peck died Feb. 2, 2012, at the age of 80.

Power of Plants Winners Named

The Missouri Botanical Garden has announced the winners of the 2011–2012 "Power of Plants" student contest. The fourth annual contest challenged groups of two to five students in kindergarten through 12th grades to select one plant that does great things for people and tell its story.

The winners were:

Early elementary (kindergarten–second grade): Caroline Keefe, Autumn Ramey, Reece Ward, Jacob Whitworth, and Holly Repp, Immaculate Conception School, Columbia, Ill.; Jahtega Djukpen and Jahminneh Djukpen, Goshen Elementary, Glen Carbon, Ill. (digital category)

Upper elementary (third–fifth grades): Jan Kasal, Anna Larson, and Irmak Karasinir, Forsyth School, Clayton; Isabella Frasure, Delaney Lundberg, and Noble Faris, Immaculate Conception School, Columbia, Ill., (digital category)

Middle school (sixth–eighth grades): Andrew Simily, Caleb Ley, Jamie Hayden, and Ryan Eckelkamp, St. John the Baptist–Gildehaus, Villa Ridge; Daniel Berkovich and Miles Sanders, Parkway Central Middle School, Chesterfield (digital category)

High school (ninth–12th grades): Abby Froidl and Annie Muehlfarth, Notre Dame High School, south St. Louis County; Ashley Taylor, Ali Wagner, and Ciara Lenzner, St. Joseph's Academy, Frontenac (digital category)

Each student in the winning groups received $200, and their host school was awarded $500.

Garden Lands NEH Grant

A National Endowment for the Humanities grant will help fund "The Art of Life," an initiative to identify and describe natural history illustrations from the digitized books and journals in the Biodiversity Heritage Library (BHL) at www.biodiversitylibrary.org.

BHL technical staff at the Garden will use the $260,000 grant to develop software tools for automated identification and description of visual resources contained in more than 100,000 volumes and 38 million pages of core historic literature.

"This is an important step forward for our projects in that, for the first time, they are being recognized and described as humanities materials documenting the history of science," said Chris Freeland, director of the Garden's Center for Biodiversity Informatics and BHL technical director.

By making these visual resources easily searchable, project organizers hope to make them more useful to current scholars and discoverable by new audiences.

South Gardens Supervisor Ben Chu receives a commendation from Consul General Okamura Yoshifumi. (photo by Sonia Lalla)

Japanese Ministry Lauds Garden's Ben Chu

Ben Chu, south gardens supervisor, has been awarded the Foreign Minister's Commendation from the Japanese Ministry of Foreign Affairs, recognizing his outstanding contributions to Japan–U.S. relations in his cultivation and promotion of the Japanese Garden, specifically the Japanese cherry blossom trees.

Consul General Okamura Yoshifumi presented the official commendation and award during a Sakura Planting Ceremony April 22 in the Japanese Garden. The ceremony marked the 100th anniversary of the gift of cherry blossom trees from the people of Japan to the people of the United States and the gift of 20 new cherry blossom trees to the Garden.

News continued

Erythrina schliebenii was rediscovered in southeastern Tanzania. (photo by Frank Mbago)

Two Tree Species Feared Extinct Rediscovered

Scientists have rediscovered two tree species that were twice feared to have become extinct, according to a recent report in the Journal of East African Natural History. The finds were made in highly threatened fragments of dry coastal forest in Tanzania.

Botanist Roy Gereau, assistant curator and Tanzania program director of the Africa and Madagascar Department at the Missouri Botanical Garden, is a member of the East African Plant Red List Authority and coordinates the collection of data for International Union for Conservation of Nature (IUCN) Red List assessments in East Africa. Beginning in 2009, he worked with British scientist Phil Clarke to confirm and correct identifications of specimens from southeastern Tanzania to determine the current status of these species, *Erythrina schliebenii* and *Karomia gigas*.

"Both trees are still in critical danger of extinction, given that fewer than 50 individuals of each species are known," Gereau said. "'Critically Endangered' is the highest threat category on the IUCN Red List of Threatened Species, and any species with fewer than 50 mature individuals surviving in the wild is automatically placed in that category."

40 Years of Research on Indigenous Plant Use

For the past four decades, Dr. Jan Salick has worked with the Yanesha people of Peru and the Tibetans of the Himalayas, two indigenous groups carrying on traditional ways of life in the face of rapid environmental change. In her paper "Biodiversity in Agriculture: Domestication, Evolution, and Sustainability," published by Cambridge University Press, Salick explains how their traditional knowledge and practices hold the key to conserving, managing, and even creating new plant biodiversity.

"Both cultures use traditional knowledge to create, manage, and conserve this biodiversity, and both are learning to adapt to and mitigate the effects of climate change," said Salick, senior curator and ethnobotanist with the Garden's William L. Brown Center. "They have much to teach and to offer the world if we can successfully learn to integrate science and traditional knowledge."

Salick found that the Yanesha have been able to increase species and genetic diversity of important food crops, in addition to landscape diversity in agriculture. To adapt to climate change, Tibetans are growing different crops, such as grapes, which previously could never survive the Himalayan winter. They are also incorporating large quantities of organic matter into soil, conserving forests that are expanding (afforestation), and preserving sacred areas with high biodiversity and old-growth forests.

Salick is working with international policy forums to bring together Tibetan and other traditional knowledge with scientific methods to conserve biodiversity and counteract climate change.

From the St. Louis Herb Society Kitchen

by Mary Hammer, St. Louis Herb Society

Spring and summer bring us fresh herbs. One way to use them is to make delicious herbal vinegars, which can then be an ingredient for salad dressings, marinades, and sauces. Making the vinegar is very simple.

Here is what you'll need:

- Two bottles (or more) of good-quality wine vinegar; either white or red wine is fine. Do not use distilled or cider vinegar.
- A large glass jar, quart size, with a plastic lid; a mason or mayonnaise jar is fine. If you don't have a plastic lid, use plastic wrap between the vinegar and the metal.
- Coffee filters
- Fine mesh strainer
- Plastic funnel

Sterilize your glass jar ahead of time, so no moisture remains. The rule of thumb is, "no moisture, no metal." Moisture makes vinegar cloudy, and vinegar reacts with metal, especially aluminum. I usually run my jars through the dishwasher 3 to 4 days before.

Pick your fresh herbs in the morning after the dew has evaporated. Blot them as dry as possible before using. Fresh herbs should be harvested just before the plant begins to flower. Use any herbs you like, and don't hesitate to combine some—except for French tarragon; its strong and unique flavor is best on its own.

The basic recipe for herbal vinegar is:

- 2 bottles of good quality wine vinegar
- 2 or 3 cups fresh herbs, coarsely chopped

Loosely fill the quart-size jar with the fresh herbs and pour the vinegar over them. Keep the original bottles for later. Put on the lid and place in a dark and fairly cool place for 4 to 6 weeks.

Using clean coffee filters, strain the vinegar until it is clear, then pour back into the original bottles. You can put one more fresh herb in the vinegar bottle if you like. *Label the bottles!*

Lemon Herb Vinegar

4 cups white wine vinegar
1 cup lemon thyme sprigs
1 cup lemon balm leaves
1 cup lemon verbena sprigs
2 or 3 stalks lemon grass, coarsely chopped
1 continuous fresh lemon peel

For fruited vinegars it works well to heat the vinegar just to the simmering point, then pour over the fruit and herbs. You may like to add ¼ to ⅓ cup sugar as well. Stir it into the vinegar as it heats so the sugar will dissolve. When straining, a fine mesh strainer works much better than the coffee filters. You will need to strain it several times before the vinegar is clear.

Fruity Basil Vinegar

2 12-ounce bottles of good quality white wine or champagne vinegar
2 pints fresh blueberries, blackberries, or raspberries, crushed (pulse them a couple times in a food processor)
1 to 2 cups fresh basil leaves, coarsely chopped

Place the basil and berries in the large glass jar. Heat the vinegar just to the simmering point. Pour the vinegar over to cover. Seal the lid tightly (use plastic wrap if the lid has a metal rim) and store in a dark cool place for 4 to 6 weeks. Keep the original vinegar bottles and lids.

To strain the vinegar, you'll need a plastic funnel, a fine mesh strainer, a large glass or plastic bowl, and a 1-quart glass measuring cup (no aluminum bowls or utensils). Strain the vinegar into the bowl. Repeat one or two more times, using the measuring cup. Funnel into the original bottles and tightly cap.

Herbal Cookery

Learn more:

Buy the Herb Society's award-winning cookbook, *Herbal Cookery From the Kitchens and Gardens of the St. Louis Herb Society*, available at the Garden Gate Shop or online at gardengateshop.org—where members save more!

LANTERN FESTIVAL:

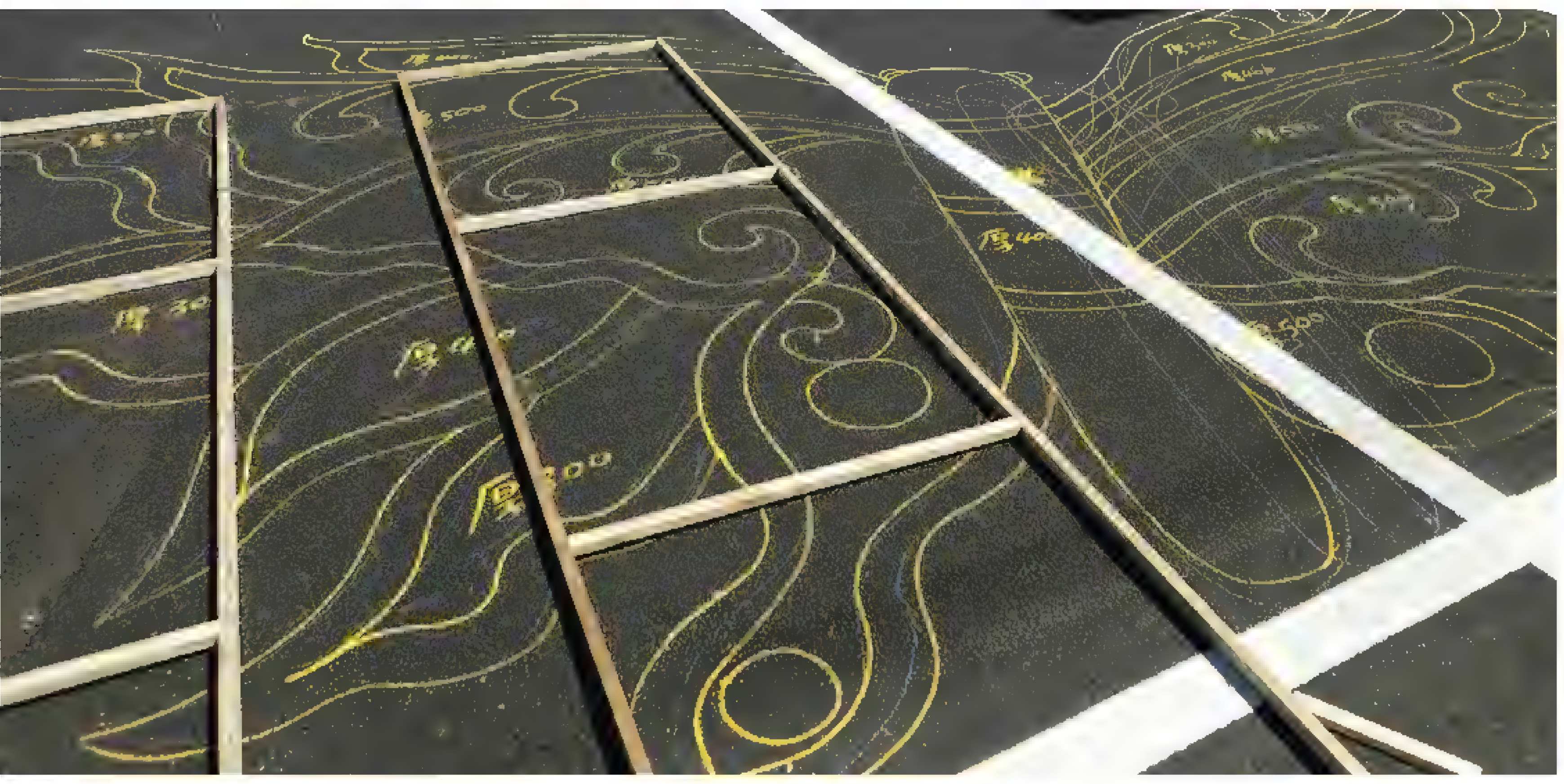
THE MAGIC BEHIND THE ART

As you marvel at the Garden's exhibition Lantern Festival: Art by Day, Magic by Night, you might ask yourself, "How did they do all this?" For the answer, you have to start in China.

Work begins in Zigong, a city regarded as the lantern-making capital of China. Every piece is custom designed and begins with an image of the scene or object to be recreated as a lantern installation.

Spencer Tan, managing director of LanternFest®, the organization responsible for creating the set pieces, analyzes the image with his art department, taking into consideration size, scale, movement, motors, and power needs. Armed with that information, they prepare a technical sheet, or master plan for each individual set.

"Most lantern sets fit into themes," said Joe Tavares, production consultant for the Garden's Lantern Festival. "We can build a lantern from any picture."



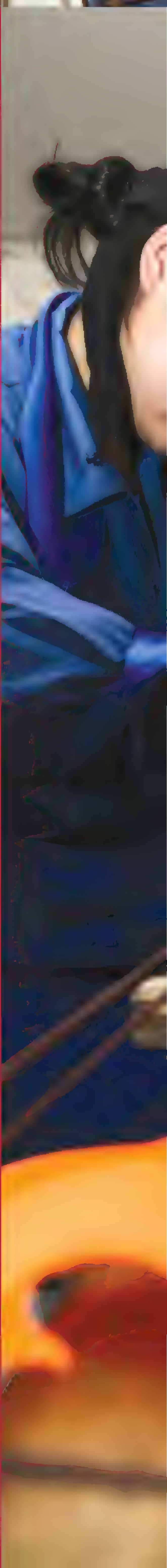
Once the visuals are approved, a set is assigned to a team so construction can begin. A materials sheet details, down to the inch, the supplies needed for construction. Just figuring this out can take two to three weeks of intense work. Traditional materials are used in the scenes—upcycled porcelain dishes, medicine bottles, and all natural cocoon-shell silks in 300, 600, and 900 thread counts. The silks must be able to withstand months outdoors without fading.

Although the sets are exhibited here in the Garden, construction actually began in China. In a process that Tavares calls "old world meets new world," artisans will use the technical sheet and computer-generated graphic rendering and enlarge the design to scale by drawing in chalk on asphalt. Following the chalk outline, they bend and mold steel rods into one- and two-dimensional pieces. As many of these pieces as possible are made in advance, then they're packed into shipping containers and it's off to the U.S.!

On site, the three-dimensional assembly can begin. Silk is draped over the metal armature and glued in place, with gold trim used to hide the adhesive. Some are sprayed with paint, while other fine details are hand-painted.

Lantern making is often a family affair, Tan said. "Lantern training is learned from generation to generation," he said. "Fathers as teachers pass their knowledge down to sons, but there are also some younger people getting into the trade."

The end result, Tavares said, is "like taking a trip to China in St. Louis. The experience and totality of the lantern sets engulf you. The sets for the Missouri Botanical Garden exhibition rival any of those you'd see in Zigong."



photos by Sonia Lalla

GET YOUR LANTERN FESTIVAL TICKETS NOW!

The exhibition is included with daytime Garden admission from 9 a.m. to 5 p.m. Special evening exhibition rates apply on Thursday through Sunday evenings May 31 to July 29, and every night August 1 to 19, from 6 to 10 p.m. (Lanterns are lit at 8 p.m.; last entry at 9 p.m.)

- $22 adults (ages 13 and over)
- $10 children (ages 3 to 12)
- $15 Garden members
- $5 Garden members' children (ages 3 to 12)
- Free children ages 2 and under

Buy tickets online at www.mobot.org/lanternfestival (click on "Tickets") or call (314) 577-5106.

Your Garden at Night

The trumpet-shaped blooms on flowering tobacco (*Nicotiana sylvestris*) dangle like fireworks and emit a strong fragrance at night. (photo by Glenn Kopp)

When you visit the Garden this summer for the Lantern Festival evenings, you'll get to see something else that happens only when the sun goes down: the blooming of the *Victoria* water lilies in the Central Axis and Carver Garden. These massive flowers open at sundown, reaching peak bloom overnight. They turn a beautiful shade of pink before they close up and sink below the water's surface again.

It's easy to turn your back on your own garden after a sweltering summer day, but nighttime could be the perfect time to enjoy your garden, if you focus on a few basics.

Fragrance

As daylight fades, other senses come to the fore, including smell. Night bloomers' heady scents are used to attract pollinators (often moths). Similarly, you'll notice many have trumpet-shaped flowers, a feature that likely co-evolved with their pollinators.

What to plant:

- Moonvine (*Ipomoea alba*) night-blooming morning glory
- Ornamental flowering tobacco is graceful and fragrant. Try *Nicotiana alata* or *N. sylvestris* 'Queen of the Tribe.'
- Evening primrose (*Oenothera*)—a tall native with yellow flowers, these are also good for kids because around 5 p.m. you can watch the flowers swiftly unwind and open.

Color

White is the primary color in an evening garden for a good reason: it will reflect every scrap of light that hits it, from moonlight to candlelight, so it shows up very well in the evening. (If you also plan to use the garden in the daytime, a lot of white will be stark and dazzling under sunlight.)

Other colors also make a dramatic appearance come nightfall. While bright colors like reds and oranges go dull in the dark, pale blues, pinks, yellows, and purples stand out.

What to plant:

- Jimson weed (*Datura stramonium*) and angel's trumpet (*Brugmansia spp.*)—each provides a dramatic, tropical look, but position them carefully as each is poisonous.
- Four o'clocks (*Mirabilis spp.*), as the name suggests, open their flowers in late afternoon.

Foliage

Just as white shows up well in low light, plants with silvery foliage also stand out at night.

What to plant:

- Dusty miller (*Senecio cineraria*)
- Sagebrush (*Artemisia*)
- Eucalyptus 'Silver Drop'
- Cardoon (*Cynara cardunculus*) is slow to flower, but has dramatic foliage to accompany bright purple blooms.

Learn more:

- *Evening Gardens* by Cathy Wilkinson Barash is out of print, but if you can get your hands on a copy, it's highly recommended by Kemper Gardens Supervisor June Hutson.
- *The Twilight Garden* by Lia Leendertz is available in the Garden Gate Shop.
- *The Garden at Night: Private Views of Public Edens* by Linda Rutenberg includes nighttime views of public gardens, including the Missouri Botanical Garden. It's also available in the Garden Gate Shop.

A variety of animals, from flies and beetles to bats, birds, and small mammals, are important pollinators. (photos by Mark Deering)

Perfect Pollinators

By Chris Hartley, Coordinator of Education Programs

The flowers in your garden hide a secret world behind their beautiful appearance. They may appeal to your sense of beauty, but from the flower's point of view, they only care about impressing pollinators.

Pollinators come in many shapes and sizes, from tiny flies and wasps to fruit bats and birds. Their intricate relationships with plants are often bizarre and can be very specialized. Trumpet-shaped flowers appeal to the long beaks of hummingbirds. Open cactus flowers are perfect for bats to bury their faces. Oddly shaped pipevines lure flies with the smell of rotting meat.

With the rise of flowering plants, pollinators became indispensible in Earth's ecosystems. We depend on them for every third bite of food we eat. All fruits that we eat and seeds of the majority of flowering plants only arise from animal pollination. What's more, clover and alfalfa, two common foods for grazing animals, depend on animal pollination. Were all pollinators to vanish, we would have only wind-pollinated grains such as wheat to sustain us. Plants grown for beverages, spices, fibers, and medicines also depend on pollinators to produce the products we derive from them.

Birds, bats, and other small mammals can be pollinators, but the vast majority of pollinators are insects. Bees, especially the European honeybee, are the most economically important pollinators. The often overlooked North American native bees are vital for native plants such as blueberries. These native bees also benefit all other fruit-bearing plants.

Gardeners can provide habitat for these tiny, stingless bees by buying ready-made bee houses or finding a simple design for a bee block online. With minimal effort, any garden can reap the benefits of their pollination and provide habitat to protect these important species.

PollaPalooza at the Butterfly House

Sunday, June 17,
noon to 3 p.m.

Did you know every third bite of food is made possible by a pollinator? Come learn how these small creatures impact our daily lives. See if you can pollinate your own flower, dance like a bee, or learn how to create your own pollination station in your own backyard. Bring the family and join us for a buzzing good time.

Included with Butterfly House admission. For children ages 3 to 12 with an adult.

Shaw Nature Reserve

New Native Plant School for Kids and Families

Nature Connections is a new series of outdoor discovery classes in the Whitmire Wildflower Garden for children and their families. Participants will learn about and discover nature through tours in the garden that include hands-on activities, stories, snacks, and spontaneous encounters with wildlife and plants. Price covers one child and one adult. Please dress for the weather. Class price is $14 for members and $17 for nonmembers.

Upcoming Nature Connection Classes:

- *Friday, July 13, 5 to 7 p.m.* What's that Critter Up To!
- *Thursday, August 16, 5 to 7 p.m.* Crime Scene Investigation: Pollination, Predation, and Mimicry

Sign up for these and other classes at www.mobot.org/classes

photo by Lydia Toth

The Nature Explore Classroom is just one of the places at the Shaw Nature Reserve where kids can get in touch with nature.

Curing the 'Nature Deficit Disorder'

By Lydia Toth, Senior Manager, Education

Feeling a little fatigued or gloomy? Did you put on some unwanted weight over the winter? The cure could be as simple as going outside.

People of all ages are spending significantly less time in nature, and it's taking a physical and emotional toll. The long-term consequences are particularly troubling when we think of our children. Throughout history, children's outdoor play has been relatively free, spontaneous, and unstructured, set in the "playgrounds" of fields, streams, vacant lots, and parks.

Within a few short decades we've seen this freedom to play outdoors give way to longer school days, increased time spent using electronic media, and more scheduled after-school activities. We've also seen a tremendous increase in obesity, incidents of asthma and allergies, and diagnosis of attention-deficit/hyperactivity disorder. In his book, *Last Child in the Woods*, Richard Louv gives this problem a name—"nature-deficit disorder."

Among the many benefits for children of being outdoors are enhanced observation skills, improved concentration, increased physical activity, improved fine motor skills, fewer behavior problems, and an increased appreciation for the natural environment.

Visit the Shaw Nature Reserve and play in the Nature Explore Classroom™ or participate in the many programs offered for families. Pick up one of the self-guided activities in the Visitor Center and explore on your own. There are also things to do right in your own backyard:

- Go on an outdoor scavenger hunt in your yard or through your neighborhood.
- Make friends with a nearby tree and visit it regularly to see how it changes.
- "Kidscape" your yard with bird feeders, piles of dirt for digging, gardens to attract butterflies and other critters, and shrubbery for "secret" places to hide.

It's easy, free, and fun…on your own or with the whole family!

Tributes

January through March 2012

A tribute gift to the Garden is a wonderful way to honor family and friends. Tributes of $25 or more are listed in the *Bulletin*. If you have questions regarding giving opportunities at the Garden, please call (314) 577-0805. You can also make a tribute gift online at our website, www.mobot.org.

In Honor of

Mr. and Mrs. Stanley F. Abrams
Mrs. Diane Weitman

Mrs. Carol Armstrong
Mrs. Jane T. Dunn

Mr. Donald H. Bergmann
Mr. Charles D. Mueller

Dr. John Daly
Dr. Gordon M. Cragg

Mr. and Mrs. Charles Deutsch
Dr. and Mrs. Erol Amon

Mr. and Mrs. Henry W. Dubinsky
Mr. and Mrs. David W. Terris

Mr. and Mrs. Robert Greenberg
Ms. Jane Cohen

Mr. and Mrs. Jim Greenwood
Mr. and Mrs. Richard Halpern

Mr. and Mrs. Donald C. Huffman
Teri and Gary Nicely

Mr. Ben Kessler
Mr. and Mrs. Harold A. Tzinberg

Dr. Jerrold Lander
Ms. Susan Simon

Mrs. LaVerne Lorenzini
Mr. H. James Hoeferlin and William T. Sapp

Mr. Willie J. Meadows
Mr. Charles D. Mueller

Ms. Isabelle C. Morris
Ms. Jackie Juras

Mr. Steve Newman
Sister Jane K. Hassett

Dr. Armand Randrianasolo
Mrs. Ruth Ann Bizoff
Dr. P. Mick Richardson

Mrs. Barbara Silver
Mrs. Diane Weitman

Mrs. Nora R. Stern
Ms. Betty L. Maszaros

Mr. Walter G. Stern
Mr. and Mrs. Richard Halpern

Mrs. Blanche C. Wagner
Rowena Clarke Garden Club

Mr. and Mrs. Jeff Zwibelman
Mr. and Mrs. Ben Katz

In Memory of

Mr. Joseph F. Adlon
Mr. and Mrs. Harold P. Amann

Mr. William M. Alexander
Mr. and Mrs. Donald R. Kratz

Mr. Tony Amato
Mr. and Mrs. Stanley Allen

Mrs. Elizabeth Stevens Bakewell
Mr. and Mrs. Charles P. Reay

Dr. Walter F. Ballinger
Mr. and Mrs. Charles P. Reay

Ms. Florence Banks
Ms. Lynn K. Silence

Barrett
Mrs. Janine Oberstadt

Mrs. Valerie Beck
Mr. and Mrs. Raymond H. Schaper

Mr. James A. Bilhorn
Mrs. Rosemary V. Rapp
Ms. Mary E. Serbi
Miss Phyllis R. Tirmenstein
Mrs. Susan R. Wright

Mrs. Adelaide Bitting
Mrs. Lilly Ann Abraham

Ms. Patricia Blake
Ms. Sylvia Twigger

Miss Wanda Bowers
Arthur Feldman and Lee Feldman
Mr. and Mrs. John M. Samet

Mrs. Mary Ellen Boyer
Mr. and Mrs. Jerry Liberstein
Mrs. Patricia A. Wilson

Mr. Mike Broussard
Ms. Mindy S. Krawiecki

Mr. Christopher Brown
Mr. and Mrs. Terry Wittenberg

Mr. David C. Chopin
Mr. and Mrs. Douglas A. Lare

Mrs. Ruth Cloran
Mrs. Madeline Bendorf and The Sevier family

Mrs. Helen D. Crane
Mrs. Marguerite Walker

Mr. Frank Criscuolo
Mr. and Mrs. Richard Kautzman

Mr. Robert Crowley
Mr. and Mrs. Raymond W. Peters II

Mr. Charles R. Danna
Miss Virginia M. Miller

Carl E. Darigo
Mr. and Mrs. Jim Court
Mr. and Mrs. Thomas A. Dalgleish
Mr. and Mrs. Thomas A. Dalgleish
Mr. and Mrs. Brian Dallman
Mr. and Mrs. Leo A. Drey
M.K. Ersley and E.J. Ersley
Mr. and Mrs. Albert J. Haller
Mr. and Mrs. Jack H. Harris
Ms. Margaret A. R. Holly
Mr. and Mrs. Don Idecker
Ms. Jackie Juras
Ms. Jane King
Ms. Louise I. Langbein
Mr. and Mrs. Wing Leong
Dr. Ronald A. Pursell
Mr. and Mrs. Andrew Remack
Mr. and Mrs. Leonard R. Risse
Mrs. Loretta M. Rusch
Mr. and Mrs. Frederick Steinke
Mr. and Mrs. Joe Trunko
Mr. and Mrs. Larry C. Vigdal
Ms. Teri-Ann Wallace

Tyler D. Dasher Ellington
Mr. Frederick A. Hermann, Jr.

Mr. Edward DeBrecht
Webster Groves Garden Club #4

Mrs. Kimiko Durham
T.V. Akimoto
Business in Balance
Ms. Nikki Jansson
Mr. Charles-Gene McDaniel
Mr. and Mrs. Thomas Mitchell
Hirotoshi Nishina
Mr. Clifford Ryffel
Mr. and Mrs. Jeffrey S. Smith
Dr. Mick Smith and Dr. Marilyn Huestis
Dr. and Mrs. Harry Yieh

Dr. John Dwyer
Dr. Michael Nee

Mrs. Elinor S. Eidelman
Mrs. Diane Freyman
Mr. and Mrs. Kenneth S. Kranzberg
Ms. Judy Presberg
Mr. and Mrs. Pete Rothschild

Mrs. Mildred Erdman
Dr. and Mrs. Ian K. Hornstra

Dr. Bob Etienne
The Chosids

Prof. Joseph A. Ewan and Mrs. Nesta Ewan
Dr. and Mrs. Leonard Thien

Mrs. Anne M. Frohman
DC EcoWomen
Mr. and Mrs. Daniel L. Gravens
Ms. Jackie Juras
The St. Louis Master Gardeners

Mrs. Martha Dunbar Gaddy
Mr. Bernard Barken

Ms. Melanie Cecile Gambill
Mr. Larry Adams
Ellen and Andy Berg
Yemanja Brasil
Mr. and Mrs. Jay Gamill
Mr. and Mrs. Kevin Gambill
Mr. and Mrs. Len Gambill
Mr. Kirk Hughes
Ms. Ann Koop
Lady Bug Beads
Mr. and Mrs. John Paterson
Bonnie and Rosemary Pelch
Ms. Betty Sharp
Mrs. Antoinette Walker
Ms. Marilyn S. Warren
Mrs. Nancy H. Welsh

Ruth M. Goldstein
Mr. and Mrs. Stanley Allen

Mrs. Mary L. Gossett
Mr. William Jansen

Mrs. Kathleen Greenwald
Ms. Terri Fenwick
Ms. Teri Furlow
Ms. Joann Hetisimer
Mr. and Mrs. Sucarna Nadkarni
Ms. Michele O'Connor
Mr. Gary Reichelt
Mr. and Mrs. Grady Vaughan
Mr. and Mrs. Anwar Yusuf

Mr. Frank Guelker
Miss Wilma M. Metzger

Ms. Janet Guenther
Mr. Thomas J. Wilhite

Mr. A. William Hager
Mr. and Mrs. Fielding Lewis Holmes
Mr. and Mrs. Robert E. Kresko
Mississippi Valley Nurserymen's Cooperative

Mrs. Lucille Henson
Mrs. Mary Lou Richardson

Mrs. Janet Heyer
Mrs. Gail Kerber

Mrs. Jane A. Holdsworth
Mr. and Mrs. James E. Clark, Jr.

Ms. Katherine Hollis
Mr. John Donnelly
Innovative Technology Ed Fund Board and Staff
Mrs. Elizabeth Ogorzalek
Mrs. Gail Tognarelli
Ms. Helena Van Zanten

Mrs. Patricia A. Holt
Mr. and Mrs. Donald F. Barr
Dr. and Mrs. M.J. Borrok
Mr. Walter Brueggemann
Mr. and Mrs. M.O. Buder
Mrs. Ann Case
Ms. Judith Citron
Mr. and Mrs. Thomas Cobb
Ms. Joyce K. Driemeyer
Mrs. Sondra E. Ellis
Ms. Kathleen M. Ferrell
Dr. and Mrs. William C. Finnie
Dr. and Mrs. Leonard J. Guarraia
Mrs. Carol Hermann
Mr. and Mrs. Ralph A. Hertlein
Mrs. Carol S. Higgins
Mrs. LaVerne N. Jaudes
Mrs. Nancy Johann
Mr. and Mrs. Chris Klett
Mrs. Loretto Kleykamp
Ms. Diane Kohl
Ms. Norma E. Leuthauser
Mrs. Betty Mallinckrodt
Mr. and Mrs. Jerry Medlock
Mary Miller-Brueggemann
Ms. Belle Miller-McMaster
Mrs. Joyce C. Niewoehner
The O'Neal family
Mr. and Mrs. E. J. Palmer
Mr. and Mrs. Jack Patton
Ms. Joan L. Perdue
Ms. Alice Phillips
Mr. Donald G. Richardson
Mrs. Beverly B. Schmitt
Mrs. Patricia K. Schutte
Mrs. Linn Wells
Mrs. Carolyn L. Willmore

Mr. James B. Honeywell
Mrs. Madeline Barno
Ms. Maurene Barry
Mr. Dan Brennan
Mrs. Narni-Page Cahill
Community Teacher's Association
Mr. and Mrs. Phil Greene
Ms. Christine Huffman
Ms. Jackie Juras
Mr. and Mrs. Gerald E. Kolar
Mr. John W. McCormack
Mr. and Mrs. Milton Rubin
Ms. Pamela M. Siegel
Ms. Stephanie C. Sigala
Mr. and Mrs. Richard L. Sokol
Mr. and Mrs. Stuart H. Zimbalist

Mrs. Rosemary Howard
Mrs. Katie Kelly

Ann Marie Huesgen
Kate Drewry

Mr. Brent Hyde
Dr. June Wright

Mrs. Betty D. Jordan
Mrs. Nancy Burton

Katie
Dr. and Mrs. Jim Richardson

Mrs. Rosalyn Klein
Mr. and Mrs. Frank A. Buchmeier, Jr.
Mr. and Mrs. Jerry Prives
Mr. and Mrs. David Rutkowski
Mrs. Joan Sucher

Mrs. Marjorie Kuchenbuch
Mr. Thomas J. Wilhite

Mrs. Henrietta Kushkin
Ms. Aida Darnell
Mrs. Karen Kiske-Zimmerman
Donna and Terry Lane
Ms. Marilyn Wall

Ms. Annette Larson
Mr. and Mrs. J. Donald Peters

Mrs. Kahla Roberts Latta
Mr. Howard J. Wilkinson, Jr.

Ms. Linda Lee
Ms. Stacey Brown

Blanche Rose Leist
Mr. and Mrs. Mark Clonts

Mr. Joe M. Leslie
Mrs. Caryl Martin

Mr. George Lewis
Mrs. Ellen Ross

Mr. L. Max Lippman, Jr.
Mr. and Mrs. Charles P. Reay

Mrs. Jeanne Lutrell
Mr. and Mrs. Roger H. Volk

Mr. Sanford N. McDonnell
Ms. Clara H. von Gontard Steinlage

Edna McFarland
Ms. Brenda Wolters

Mrs. Mary Jo Meier
Mr. and Mrs. Joseph R. Grimm

Mrs. Susan Meier
Mr. and Mrs. Charles P. Reay

Mr. Richard W. Mellow, Jr.
Mrs. Anne T. Holmes
Mrs. Janet M. Johnston
Ms. Clara H. von Gontard Steinlage

photo by Lindsay Moser

Lorraine Meredith
Mr. Edward E. Adams
Mr. Don J. Riehn and
Mr. Jon J. Goeders

Mr. Charles R. Miller
Mrs. Faye Gillis
Ms. Shirley Potter

Mr. Dennis Miller
Mrs. Rosanne Brown Will

Mrs. Gertrude Miller
Dr. Richard D. Brasington
and Ms. Kathleen M. Ferrell

Mrs. Bobbi Morrow
Dr. Mary Jo Liberstein

Mr. Joseph R. Moyer
Dr. and Mrs. Harry T. Duffy

Mrs. Joann C. Mueller
Mr. and Mrs. Neil Burton
Mr. and Mrs. Matt
D'Alessandro
Mr. and Mrs. Greg Kottmann
Ms. Nancy J. O'Rourke
Ms. Julie Porter
Mr. and Mrs. Brent C. Schulz
Mrs. Caryl Vick

Mr. Norbert R. Mueller
Mrs. Lillian L. Mueller

Mrs. Christa Nagel
Mrs. Marion Anderson
Mr. and Mrs. Dan Brown
Mr. and Mrs. James F. Dierberg
Greenbay Plastic Surgical
Associates
Mr. and Mrs. Stephen
Jacquemin
Ms. Katheryn Mittelstetter
Mr. and Mrs. David O'Brien
Dr. and Mrs. Michael Ross
Robert and Mark Siefried
Scott Siefried
Ms. Mary Van Thiel
Ms. Maureen Ward

Mr. Ron Northup
Mrs. Norma L. Williams

Daniel Patrick O'Connell
Mrs. Debbie Chapuis
Ms. Elizabeth M. Fathman
Mrs. Robert H. Mertzlufft
Mom's Night Out Group
Mrs. Lauren Ramirez Presberg
Ms. Margaret Russell

Ms. Catherine M. Owen
Ms. Mireille Timothee

Ms. Elizabeth Owens
Mrs. Teri Nicely

Mr. Jake D. Pantukhoff
Mr. and Mrs. Daniel L. Gravens

Mr. Charles Parrish
Pat Payton and Jean Hudson

Mr. Kenneth O. Peck
Mrs. Sara W. Davidson
Mrs. Shannon Evers
Kimmswick City Hall
Ms. Mary V. Parker
Mrs. Joseph A. Rogers
St. Louis Herb Society

Mrs. Stella Pettus
Mr. Thomas M. Busken
Mrs. Paul E. Gildehaus
Mrs. Jeanette L. Lynch
Mr. and Mrs. Thomas J.
Purcell, Jr.
Mr. and Mrs. John F. Walker

Mr. Stephen F. Pfleeger
Mr. and Mrs. Joe Doughney
Mrs. Linda Duncan
Chuck and Bonnie Norman

Herman and Marcella Plegge
Judge Sheila O'Brien

Dr. Stephen L. Post
Mr. and Mrs. Charles P. Reay

Ms. Linda Pozza
Mr. and Mrs. Anthony Clausi
Ms. Nadine Drobac
Mr. and Mrs. John Evans
Mr. and Mrs. Gary Kowalski
Mary, Barbara, and Mary
Ann Kratochvil

Jaqueline and Dennis Ray
Malone
Mr. Craig J. Supanich

Mrs. Nancy R. Primm
Mr. and Mrs. Donald W.
Anthon
Mr. and Mrs. Doug Bean
Mr. and Mrs. Patrick J.
Behan, Jr.
Ms. Nancy Curby
Mr. and Mrs. Lucien R.
Fouke, Jr.
The Gatesworth Residents
Association
Mrs. Landon Y. Jones
Mr. and Mrs. Charles E.
Kopman
Mr. and Mrs. Charles N.
McAlpin
Mr. and Mrs. John C.
McPheeters
Mrs. William R. Orthwein, Jr.
Mrs. Joseph Pulitzer
Mr. and Mrs. James A. Seldin
Ms. Darlene Troisi
Wells Fargo Advisors

Mrs. Shirley Pupillo
Mrs. Pamela Hardy
Mid-America Regional Lily
Society

Dr. Adele W. Reby, D.D.S.
Mr. and Mrs. Albert S. Rose

Mr. Fred M. Reichman
Dr. and Mrs. Joseph J. H.
Ackerman
Mr. and Mrs. Blair G. Balk
Mr. and Mrs. Martin Bercovici
Mrs. Rose Berra
Mr. and Mrs. Bill Buege
Mrs. Donna Christiansen
Ms. Kate Damhorst
Mr. and Mrs. Ted Dearing
Mr. James D. Eckhoff
Mr. Christopher Epple, Sr.
Mr. and Mrs. Richard Fine
Mr. and Mrs. Damon Fitzwater
Mrs. Stacy Fleishman
Ms. Patricia Gillula
Ms. Rachel Goltzman
Mr. and Mrs. Albert H. Hamel
Mr. Esley Hamilton
Mrs. Anne W. Hetlage
Mr. Christopher Hexter
Ms. Eleanor Holtzman
Ms. Joan B. Humes
Interstate Property
Services, Inc.
Mr. Gregory Kalik
Mr. and Mrs. Wilbert A.
Karcher
Ms. Joan Kiburz
Mr. Jack Lampert
Lewis, Rice & Fingersh, L.C.
Ms. Joy Liberman and
Ms. Denise Liberman
Carolyn and Joseph Losos
Mrs. Peggy Share Manganaro
Ms. Sally Markland
J. S. McCorkindale and A. S.
McCorkindale
Mrs. Marianne McDaniel
Dr. David F. Mendelson, Sr.
Dr. and Mrs. George E.
Mendelsohn
Missouri Athletic Club
Ms. Carol Nelkin
Ms. Rose K. Nishio
Mr. and Mrs. James F.
O'Donnell
Mr. and Mrs. Francis M. Oates
Mr. and Mrs. Jeffery M. Pawlik
Mrs. Judith Petefish
Dr. and Mrs. Burton M. Pogell
Mr. and Mrs. Charles Puff
Mr. and Mrs. Thomas A.
Rogers
Mr. and Mrs. Howard Z. Rosen
Mr. and Mrs. Greg
Schnmittgens
Ms. Susan J. Shirley
Mr. and Mrs. Jerry Stoliar
Mr. and Mrs. James W.
Swinford
Ms. Clare M. Vasquez
Mrs. Barbara A. Victor
Dr. and Mrs. Bruce I. White
Ms. Brenda Wolters
Mrs. Lisa Yarbrough
Mr. and Mrs. David
Zimmerman

Mrs. Barbara M. Rezny
Mrs. Paulette H. Bliss
Mrs. Carolyn L. Willmore

Mr. Carl F. Ritchie
Mr. and Mrs. Manuel S.
Sherberg

Mrs. Lucianna G. Ross
Mrs. Amy Barnes
Mr. and Mrs. Gilbert G. Early III
Ms. Mary Folan
Mr. Frank Y. Gladney
Mrs. Gayle Kekeisen
Kimmswick City Hall
Missouri Botanical
Garden—Docents

Dr. and Mrs. Austin
Montgomery
Mrs. Kathleen T. Mueller
Mr. and Mrs. George
Nemcosky
Ms. Margaret Page
Mr. and Mrs. William Palmer
Mr. and Mrs. Al Peterfeso
Mr. and Mrs. Paul T. Putzel
Mr. John B. Ross and
Mrs. Mary R. Dodson
Mrs. Suzanne Rudzinski
Mrs. James Satterfield
Mr. and Mrs. Richard Sullivan
Miss Jane E. Sutter
Ms. Carolyn M. Wilson
Windsor C-1 School District

Mr. Robert K. Rothschild
Mrs. Shirley G. Durfee

Mrs. Gloria Rutledge
Mrs. Katie Kelly

Ms. Odette M. Ryan
Mr. and Mrs. David Jackson

Mr. David Sacks
Mrs. Barbara Barr
Mrs. Paulette H. Bliss
Ms. Karen Buckey
Mrs. Ann Case
Mr. and Mrs. Thomas Cobb
Mr. and Mrs. Robert Cross
Mr. and Mrs. Terrence W.
Dougherty
Mrs. Sondra E. Ellis
Dr. Richard D. Brasington
and Ms. Kathleen M. Ferrell
Mr. and Mrs. Terry G. Flieg
Dr. Frank H. Gilner and
Dr. Maxine Gilner
Mr. and Mrs. Jerry Goldstein
Ms. Judith A. Harmon
Mr. and Mrs. Carl L. Hermann
Mrs. Carol S. Higgins
Ms. Jackie Juras
Larry and Nancy Kirchhoff
Dr. and Mrs. William S.
Knowles
Ms. Diane Kohl
Dr. Wanda W. Kruse and
Mr. Arthur L. Kruse
Mrs. Nadine S. Mahe
Mr. and Mrs. F. Scott Mathews
Ms. Gayle McCollum
Dr. and Mrs. Charles H. Nicolai
P.E.O. Chapter LX
Mr. and Mrs. E. J. Palmer
Ms. Kathryn Rapp and
Mr. Richard Kusnierz
Rowena Clarke Garden Club
Mrs. Kim K. Scherrer
Mrs. Beverly B. Schmitt
Mr. and Mrs. Kenneth E.
Schutte
Ms. Jan Simons and
Mr. Charles W. Raiser
Ms. Maxine Stone
Mrs. Lee S. Streett
Mrs. Nancy C. Thompson
Mrs. Lila A. Thorpe
Mrs. Linn Wells

Mrs. Carolyn L. Willmore
Mrs. Marion A. Wuest
Mr. and Mrs. Charles
William Yates

Mrs. Opal Schaefer
Mrs. Helen B. Gross

Ms. Gloria Schall
Ms. Barbara Gass-Horn

Mr. Gideon Schiller
Mr. and Mrs. Raymond W.
Peters II

Mrs. Dorothy Jane Schlafly Brown
Mr. and Mrs. Charles P. Reay

Mr. Vernon Schmidt
Mr. and Mrs. Robert E. Toth

Mr. William W. Schoening
Mrs. Sue Schoening

Mr. Peter Schogol
Mrs. Alijda Barendregt

Benjamin Schrieber
Mr. and Mrs. Benjamin W.
Schrieber

Mrs. Catherine E. Schroeder
Ms. Annie O'Malley

Mrs. Ruth Sherwin
Mr. and Mrs. Dennis J. Ainley
Mrs. Edna W. Dependahl
Mr. Larry Levin and
Ms. Ellen Futterman
Mr. and Mrs. Howard E. Miller
Miss Elizabeth Smallfelt
Mrs. Ruth Steed,
Mr. Charles M. Wood,
and Mr. Frank S. Wood

Mrs. Judith C. Shinkle
Mr. and Mrs. Charles P. Reay

Don and Dorothy Shumate
Jack and Kathy Craddock

Mr. Lon Silence
Ms. Virginia Antram
Mrs. Bobbi Brimer
Ms. Suzanne Bromschwig
Mrs. Gail Grod
Ms. Christel V. Maassen
Ms. Louise Powderly

Dr. Dermott Smith
Dr. and Mrs. Harry T. Duffy

Mrs. Linda K. Smith
Mrs. Pamela Hardy

Joan Soffer
Mr. and Mrs. Jeffrey H. Pass

Mrs. Mary Sorgea
Mr. and Mrs. J. Hugh Rogers

Mr. Gene V. Spradling
Mr. and Mrs. Joseph Beck
Mrs. Sue Brothers
Mrs. Rayanne Cupps
Mr. Chad Druten
Dr. and Mrs. Larry Evans
Mr. and Mrs. Paul Everett
Mr. and Mrs. Fred Foster
Ms. Karen Hyman
Ms. Jackie Juras

Mr. Nelson H. Kasten
Mrs. J. M. Leonhardt
Mrs. Elizabeth Metzenthin
Mrs. Janet Rash
Mrs. Bernadine Richard
Ms. Doris C. Schulte
Ms. Janet Smith

Ms. Carol Ann Straus
Mr. and Mrs. Walter G. Stern

Mr. Thom S. Strohecker
Ms. Mary Jane Schmitt

Walter and Eileen Strosnider
Ms. Doris Elliott, Ms. JoAnn Hediger, and Mr. Flint M. Pritchett

Mrs. Mary Frances Sudholt
Mrs. Beverly Straub
Miss Bernice L. Williams
Mrs. Jean B. Williams

Mrs. Elizabeth R. Sullivan
Mr. Thomas M. Sullivan

Mrs. Jane P. Thomas
Ms. Jean T. Lyford
Mr. and Mrs. Peter W. Snell

Ms. Lisa Von Doersten
Mr. and Mrs. Ken Gaile

Mrs. Carolyn Wallach
Mr. and Mrs. William Ellis
Ms. Carol M. Liberton
Mr. and Mrs. Andrew Millner
Ms. Rosemary Tirrell

Mr. Emil Shih-Jien Wang
Mrs. Audrey B. Lytle

Mrs. Jane Weis
Arcobasso Foods
Mr. Anthony Bustillo
Dr. and Mrs. B.J. Casey
Mr. and Mrs. Ronald Flanigan
Mr. Charles Gaebler
The children of Millie Hae
Ms. Shirley Hamilton
Mr. and Mrs. Larry Hill
Mr. and Mrs. Tim Hill
Mr. and Mrs. Greg Johnston
Ms. Pamela Kemlage
Mr. and Mrs. Gary Kimmich
Mr. and Mrs. Norman Kimmich
Mr. Robert Launch
Mr. and Mrs. Mike McAmis
Mr. and Mrs. Terry McDannold
Ms. Deborah Mowery
Mr. and Mrs. Michael Mowery
Mr. and Mrs. Mark Ohlendorf
Kris Rhodes
Ms. Sherry Schulz
Mr. and Mrs. James Sloand
Mr. and Mrs. Don St. Julian
Ms. Becky Stark
Mrs. Leeora Thomas
Mr. and Mrs. Matt Thomas
Trane Residental Solutions
Ms. Carol Weber
Mr. Robert Weis
Mr. and Mrs. William Wiegman
Ms. Karen Zimmer

Ms. Betty C. Whitman
Mr. Don J. Riehn and Mr. Jon J. Goeders

Mr. Charles E. Whitten
Pat Payton and Jean Hudson
Mr. Don J. Riehn and Mr. Jon J. Goeders

Mr. Helmuth Joseph Wiemann
Ms. Betty Barnum

Mrs. Anne Williams
Mr. and Mrs. Raymond W. Peters II

Ms. Matilda Winer
Ms. Martha S. Gersten

Mrs. Violette V. Wobbe
Ms. Lynn K. Silence

Mrs. Rose A. Wohldmann
Interstate Property Services, Inc.

Bernice Woods Stevens
Ms. Clara H. von Gontard Steinlage

Upper-level Members

In appreciation of our members' ongoing generosity, we would like to thank the following who renewed or increased their support during January through March 2012. We appreciate your commitment to the Garden's mission and hope that you enjoy all the benefits that your membership offers.

Patron

($10,000 to $14,999)
Marjorie C. Eddy+
Nancy R. Primm*
Joan L. Sheppard

Garden Fellow

($2,500 to $4,999)
Mrs. Diane C. Barnes
Mr. and Mrs. Andrew B. Craig III
Dr. Robert E. Kleiger+
Drs. Dan and Susan Luedke
Ms. Kathy M. Manganaro
Mrs. Shadrach F. Morris

Henry Shaw Associate

($1,200 to $2,499)
Anonymous
Mr. and Mrs. J. Joe Adorjan
Mr. and Mrs. Arthur E. Anseh l
Mrs. Marilyn J. Boettcher
Jean G. Brumback+
Mrs. Nancy W. Day+
Miss Carol Hohenberger
Mr. and Mrs. Robert G. Jones
Ms. Janet L. Love
Wanda and Tim Michels
Mrs. Mary Lou Olson+
Mr. and Mrs. Charles P. Reay
Mr. and Mrs. William R. Vickroy

President's Circle

($1,000 to $1,499)
Mr. and Mrs. Stanton B. Dotson+
Mr. and Mrs. John E. Fischer+
Mr. John H. Fogarty+
Mrs. Judith Garfinkel+
Dr. Richard Katz and Dr. Stacey L. Smith+
Melissa R. Marshall+
Dr. and Mrs. William A. Murphy, Jr.+
Mr. R. Randall Wang and Ms. Elisa N. Wang+

President's Associate

($600 to $999)
Anonymous
Drs. Stanley J. and Claire H. Birge+
Mr. and Mrs. John Louis Brown
Mr. and Mrs. Coleman H. Burton
Ms. Elizabeth L. Green
Mr. and Mrs. Charles Hopkins+
The Hyde Foundation
Mr. and Mrs. Dean Kent
Mr. and Mrs. Carlisle D. Kinyon
Dr. and Mrs. Lee S. Portnoff
Mrs. Donald Schnuck
Mr. and Mrs. Bill Schulz
Mr. Mark F. Schumm+
Mr. and Mrs. James H. Squires
Mr. Michael Waeckerle and Mrs. Katherine A. Schaffer
Dr. and Mrs. Dana C. Walker

** deceased*
+ increased membership level

photo by Mary Lou Olson

Members' Entry Court

Bricks dedicated at the Garden, January through March 2012.
Engraved clay bricks and bronze bricks are a wonderful way to commemorate any special occasion, as well as final memorials. For additional information regarding the Garden's brick program, please contact the Institutional Advancement Office at (314) 577-0291 or visit www.mobot.org.

Signature Bronze Bricks

Virginia Mard Peters
With love from her children

Engraved Clay Bricks

Jeannie Aldridge
Ms. Barbara E. Stegmann

Wally and Audrey Buchmann
Mrs. Susan L. Arb

Millie Cliff
Mr. and Mrs. Mark E. Amen

Helen DeHahn
Mrs. Rosalyn Kling and Family

Max and Melba Erlich
Mr. and Mrs. Max Erlich

Margot E. Fowler
Friends at Express Scripts

Michelle and Jared Maslin
Mr. and Mrs. Jared Maslin

Christa Nagel
Mr. Heinz Nagel

Stephen F. Pfleeger
Mr. and Mrs. Paul Fendler

Benjamin "Pounder" Schrieber
Mr. and Mrs. Benjamin W. Schrieber

Peter F. Sturm
Mrs. Ingrid A. Sturm

Sophia M. Sachs Butterfly House Tributes & Pavers

Tributes and Pavers dedicated at the Butterfly House, January through March 2012. To learn more about these opportunities, call (314) 577-0291 or visit www.butterflyhouse.org.

Tributes

In Honor of

Ms. Minette Buhr
Mrs. Christine Joyce

Mark and Jessica Deering
Mrs. Betty Kamman
Mrs. Carol N. Kusterer
Ms. Frances H. Leimkuehler
Mrs. Margaret P. Moehlenbrock
Mrs. Jean Racowsky and Ms. Beth Yarus

In Memory of

Sydney Alexis Granger
Mrs. Jaime Granger

Pavers

W. Gail Bird
Mrs. W. Gail Bird

Minette Buhr
Mrs. Charles H. Raiford
Mrs. Richard J. Rydzewski

Walter William Heffernan, Jr.
Ms. Caryn Taylor-Lucia

Dave Mulford
Mrs. Phyllis J. Mulford

Connor P. Mulholland
Mr. and Mrs. Shaun Mulholland

Sheila Palitzsch
Mr. and Mrs. George R. Powell

Judy Rosen
Sophia M. Sachs Butterfly House Friends

Darrell, Jane, and Karen Sligar
Mrs. Judith A. Rosen

Seen at the Garden

Eggstravaganza

Saturday, March 31, 2012

This year's sold-out Eggstravaganza drew 2,200 people for a day full of fun for kids and families, including egg hunts, visits with the Garden Bunny, live rabbits from the House Rabbit Society, and playtime in the Children's Garden.

(photos by Christina Kelly)

Valentine's Evening

Saturday, February 11, 2012

A romantic dinner and music provided by the band PowerPlay entertained 139 guests at the Garden. Attendees were also able to enjoy an after-hours stroll through the Garden's China-themed Orchid Show.

(photos by Mary Lou Olson)

Events

photo by Sonia Lalla

Lantern Festival: Art by Day, Magic by Night

Presented by Emerson • Through August 19

Experience one of China's most treasured events and ancient traditions. The Garden's exhibition offers visitors a unique opportunity to witness a spectacle rarely staged outside of Asia. View the art by day, 9 a.m. to 5 p.m. daily (included with daytime Garden admission). Experience the illuminated magic by night, Thursday through Sunday evenings, May 31 through July 29 and seven nights a week, August 1–19 from 6 to 10 p.m. (Last entry at 9 p.m.) Lanterns are lit at 8 p.m. Evening admission is $22 for adults, $10 for children (ages 3 to 12), $15 for Garden members, and $5 for Garden members' children. www.mobot.org/lanternfestival.

Lantern Festival sponsors include: Ameren Corporation, Anheuser-Busch, The Boeing Company, BSI Constructors, Drury Hotels Company, Edward Jones, Ms. Elizabeth L. Green, HBE Corporation, The Konzen Family, Macy's, Mercy Children's Hospital, Missouri Botanical Garden Corporate Council, Peabody Energy, Novus International, Regional Arts Commission, Scottrade, Gene and Judy Toombs Family, UMB Bank, N.A., and Wells Fargo Advisors.

Plants and People: China

Through September 3,
9 a.m. to 5 p.m.,
Brookings Interpretive Center

Through this interactive exhibit, discover the vast flora of China and the important role its plants and ecosystems play in the lives of people both in China and worldwide. Included with Garden admission.

Illinois Appreciation Week

June 10 through 16

Illinois residents receive half-price daytime Missouri Botanical Garden admission (a $4 value) from 9 a.m. to 5 p.m.; a 10 percent discount in the Garden Gate Shop and Little Shop Around the Corner; and a 20 percent discount off new or gift memberships purchased this week.

Henry Shaw Cactus Society Show and Sale

Saturday, July 7 through Tuesday, July 10, Ridgway Visitor Center

Choose from a wide array of cacti and succulents shown and sold by the area's top growers. Members of the Cactus Society, this year celebrating its 70th anniversary, will give demonstrations and plant care advice. July 7–9, 9 a.m. to 10 p.m. (last entry at 9 p.m.); July 10, 9 a.m. to 5 p.m. Orthwein Floral Display Hall. Daytime entry included with regular Garden admission until 5 p.m.; evening entry included with Lantern Festival special admission (see above). Information: www.hscactus.org

Happy Birthday, Henry!

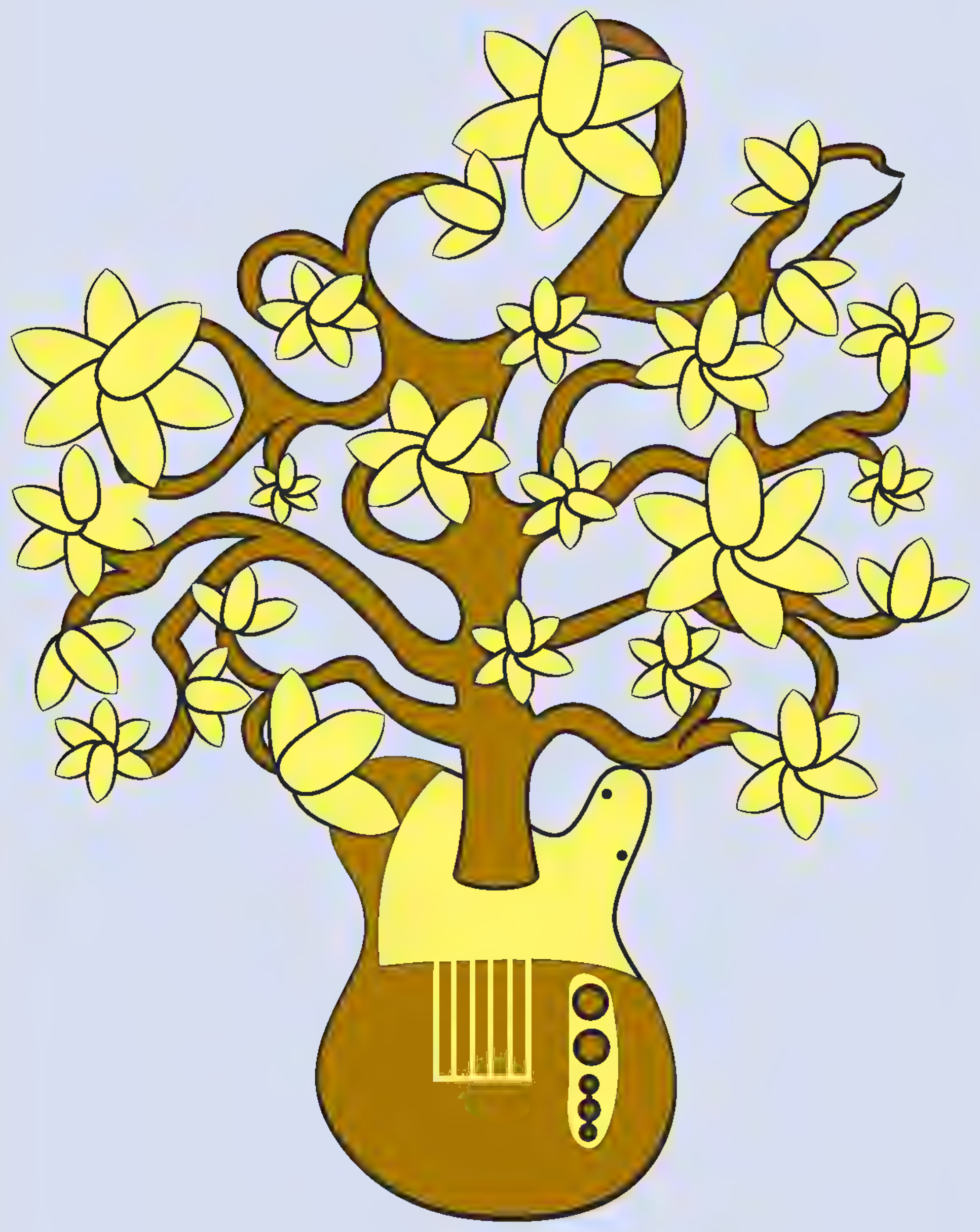
Tuesday, July 24, 9 a.m. to 5 p.m.

Garden admission is free on founder Henry Shaw's 212th birthday. Tour the historic Museum Building (normally closed to the public) and Tower Grove House, both open from 10 a.m. to 4 p.m. See jugglers, stilt walkers, Bob Kramer's Marionettes, and more. Visit the Children's Garden and pot a plant (one per child, while supplies last).

Corporate Partners Day

Sunday, August 12, 9 a.m. to 5 p.m.

Employees of the Garden's Corporate Partner firms receive free daytime admission for two adults and all children ages 12 and under with a valid corporate ID. Enjoy a 20 percent discount on new or upgraded Garden memberships and a 10 percent discount on purchases at the Garden Gate Shop.



Whitaker Music Festival

Concerts at 7:30 p.m.
Free admission after 5 p.m.
Last entry at 9 p.m.
Sponsored by the Whitaker Foundation.

Grab the lawn chairs and blankets and head to Cohen Amphitheater for another summer of live music under the stars. Picnicking is permitted after 5 p.m.; pack a picnic or purchase sandwiches and beverages on site. No pets, barbecue grills, or smoking. The Doris I. Schnuck Children's Garden remains open with free admission from 5 to 7 p.m. Information: www.mobot.org/events/Whitaker

June 6	Vince Martin
June 13	Miss Jubilee and the Humdingers
June 20	The Rockhouse Ramblers
June 27	Hamiet Bluiett
July 4	The Air National Guard Band of the Central States featuring Sidewinder
July 11	The Ryan Spearman Band
July 18	Teresa Jenee
July 25	Aaron Kamm and the One Drops

SAVE THE DATE: Herbalooza

Thursday, September 6, 5:30 p.m., Doris Waters Harris Lichtenstein Victorian District

Join the St. Louis Herb Society and the Members' Board for an herb celebration! Get advice from herb experts and stroll from the Ottoman Garden to the Victorian District for demonstrations on the many uses of herbs. View the Garden's newly planted pincushion garden, Tower Grove House, and the Museum Building (normally closed to the public). Cash bar available. $10 per person. Registration required: www.mobot.org/events. Information: (314) 577-9570 or membership@mobot.org.

Plastic Pot Recycling

Through October 31, 9 a.m. to 5 p.m., Monsanto Center (west parking lot), 4500 Shaw Blvd.

Close the gardening loop and recycle your plastic garden pots, cell packs, and trays! Information: www.mobot.org/plasticpotrecycling.

www.plasticpot
recycling.org

JUST FOR MEMBERS

photo by Jonathan Knobelock

Conservation Club: Meeting the St. Louis Green Challenge

Tuesday, June 5, 5:30 p.m., Monsanto Center

Join Green Resources Manager Jean Ponzi and learn how green practice is yielding green profit. Reservations required: (314) 577-5181.

Friday Night Flights

June 8, 15, 22, and 29, 7 to 10 p.m., Sophia M. Sachs Butterfly House

Enjoy live music and sample internationally themed food and beverages in the beautiful Butterfly House. $25 members; $35 nonmembers. Reservations: www.butterflyhouse.org/fridays or (314) 577-0291.

Members' Day: Walking Tour of the Day Lily Garden

Tuesday, June 26, 10 a.m., meet in Shoenberg Theater

Space is limited for this small group tour led by senior horticulturist Jason Delaney. Reservations required: (314) 577-9570.

Members' Family Picnic

Tuesday, July 17 5:30 p.m.

Come to one of our favorite summer evening events. Bring a picnic and enjoy live music, entertainment, face painters, crafts, balloon artists, frozen yogurt from Chill, and a chance to play in the Children's Garden after hours. Free for members. Reservations required: www.mobot.org/events. Information: (314) 577-9570.

Members' Day: Tour of the Kemper Center

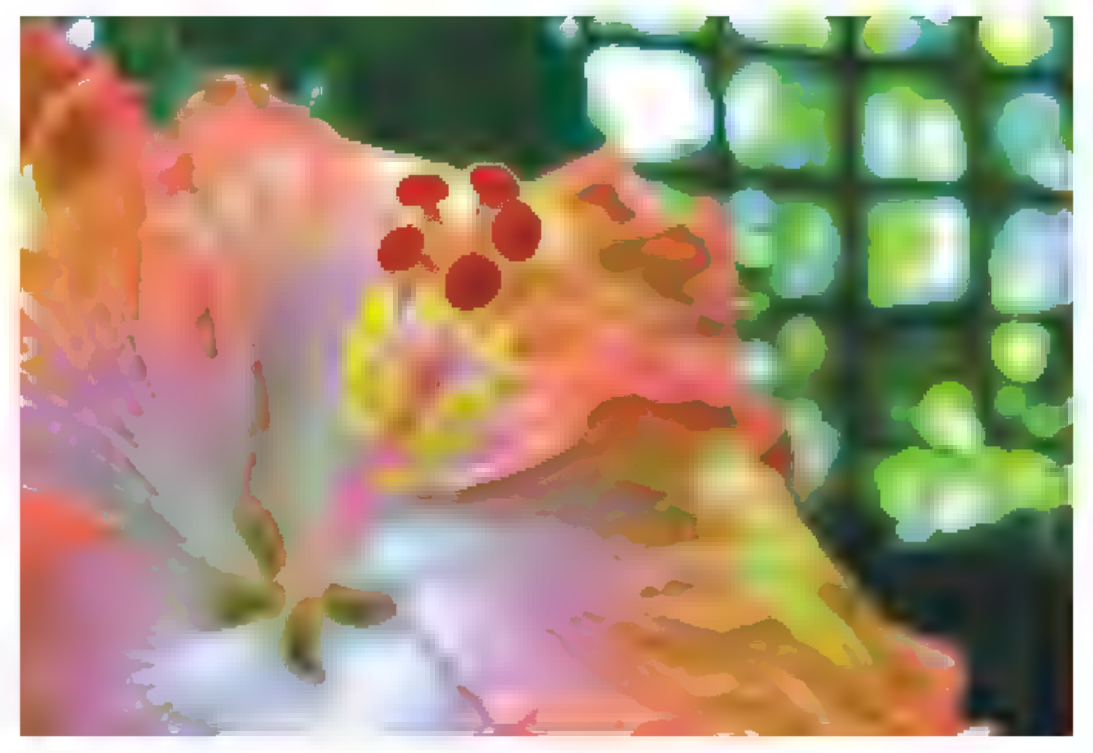
Tuesday, August 28, 10 a.m., Kemper Center for Home Gardening

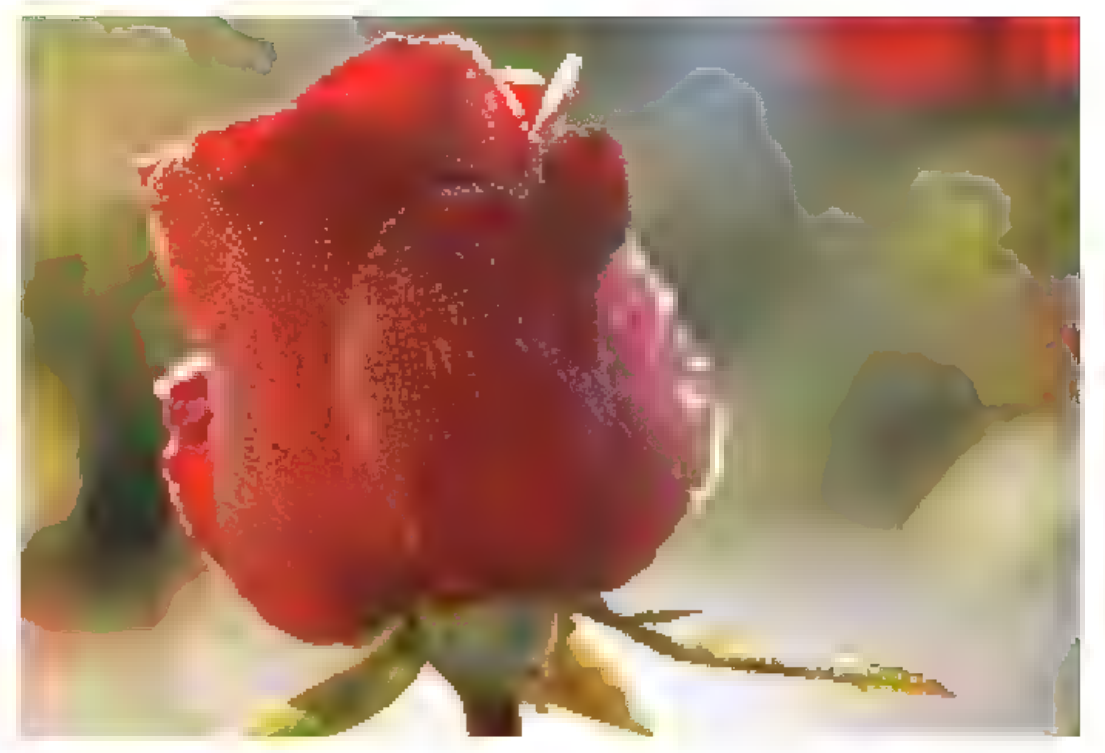
Join June Hutson for a special small group tour of the Kemper Center. Reservations required; space is limited. Please call (314) 577-9570.

June 2012

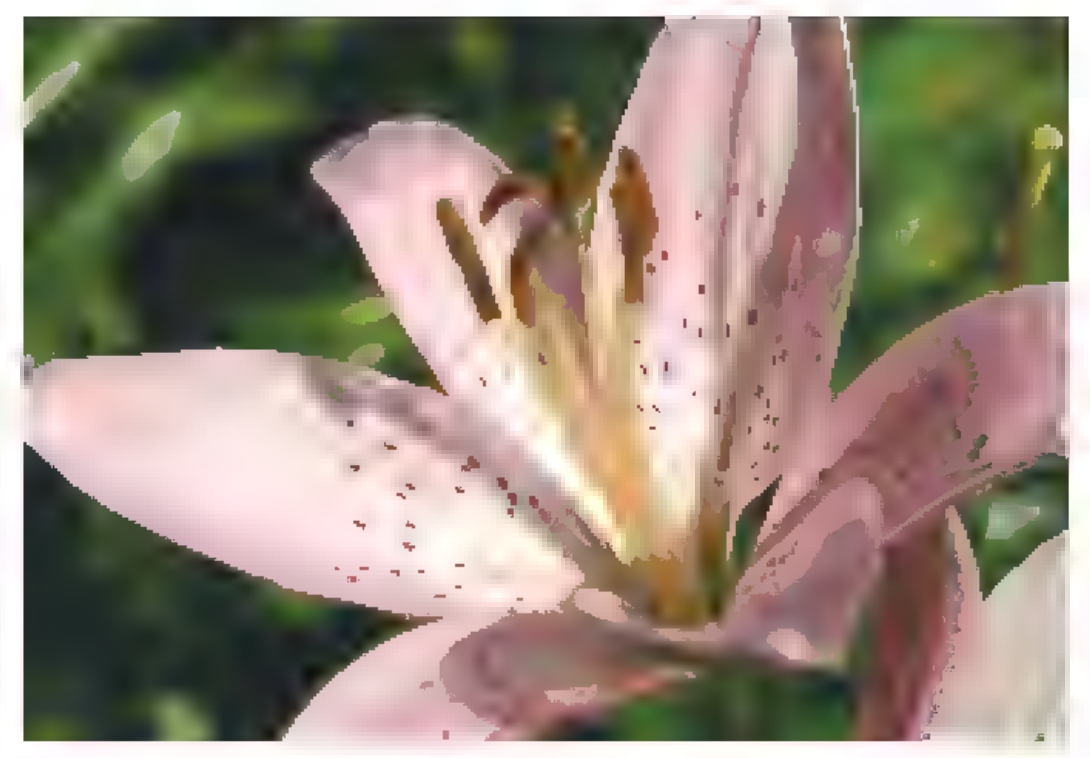
Average temperature: low 65.9°, high 85.3°
Average precipitation: 3.76 in.

What's in bloom?

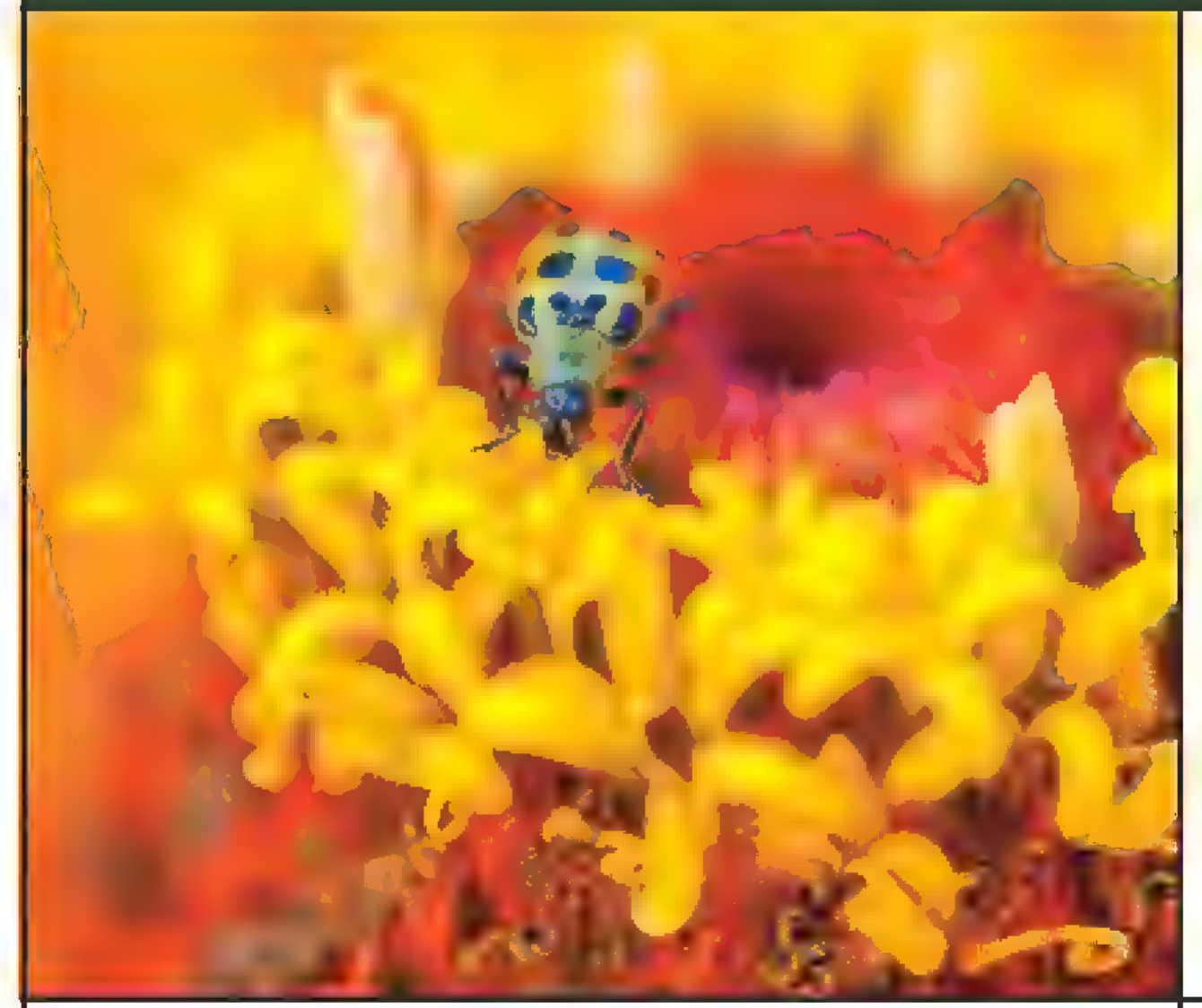

hibiscus


rose

dragons


lily

Japanese iris

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	**Show Us Your Picture-Perfect Pollinators!** National Pollinator Week is June 18 to 24, and we're celebrating all month with Picture-Perfect Pollinators. Capture snapshots of pollinators from butterflies to birds and bees, then share your photos on the Garden's Flickr group. Learn more about National Pollinator Week at pollinator.org/pollinator_week_2012.htm.			LANTERN FESTIVAL	1 **Lantern Festival.** 6 to 10 p.m. $ ■ Picture Perfect Pollinators, through June 30. BH, MBG, SNR	2 **Lantern Festival.** 6 to 10 p.m. $
3 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	4	5 **WORLD ENVIRONMENT DAY** ✿ Conservation Club: Meeting the St. Louis Green Challenge, 5:30 p.m. ☎ MC ■ Firefly Festival. 7:30 p.m. BH	6 Whitaker Music Festival ■ Vince Martin. 7:30 p.m. CA	7 **Lantern Festival.** 6 to 10 p.m. $	8 **Lantern Festival.** 6 to 10 p.m. $ ■ Friday Night Flights, 7 to 10 p.m., $ ☎ BH	9 **Lantern Festival.** 6 to 10 p.m. $ ■ Frank Absher *KMOX: The Voice of St. Louis* Book Signing. 11 a.m. GGS
10 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	11	12	13 Whitaker Music Festival ■ Miss Jubilee and the Humdingers. 7:30 p.m. CA	14 **FLAG DAY** **Lantern Festival.** 6 to 10 p.m. $ ■ Native Plant School: Rain Gardening for Home Owners. 1 p.m. $ ☎ SNR	15 **Lantern Festival.** 6 to 10 p.m. $ ■ Around the World Wine Dinner: Chinatown. 6:30 p.m. $ ☎ ■ Friday Night Flights, 7 to 10 p.m., $ ☎ BH	16 **Lantern Festival.** 6 to 10 p.m. $ ■ Great Green Adventures: 10:30 a.m., 1:30 p.m. $ CHD ■ Dave and Janis Murray book signing: 11 a.m. GGS
Illinois Appreciation Week, through June 16						
17 **FATHER'S DAY** **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP ■ PollaPalooza. Noon. BH	18	19	20 Whitaker Music Festival ■ The Rockhouse Ramblers. 7:30 p.m. CA	21 **Lantern Festival.** 6 to 10 p.m. $	22 **Lantern Festival.** 6 to 10 p.m. $ ■ Friday Night Flights, 7 to 10 p.m., $ ☎ BH	23 **Lantern Festival.** 6 to 10 p.m. $
24 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	25	26 ✿ Members' Day: Walking Tour of the Day Lily Garden, 10 a.m. ☎ ST	27 Whitaker Music Festival ■ Hamiet Bluiett. 7:30 p.m. CA	28 **Lantern Festival.** 6 to 10 p.m. $	29 **Lantern Festival.** 6 to 10 p.m. $ ■ Friday Night Flights, 7 to 10 p.m., $ ☎ BH	30 **Lantern Festival.** 6 to 10 p.m. $

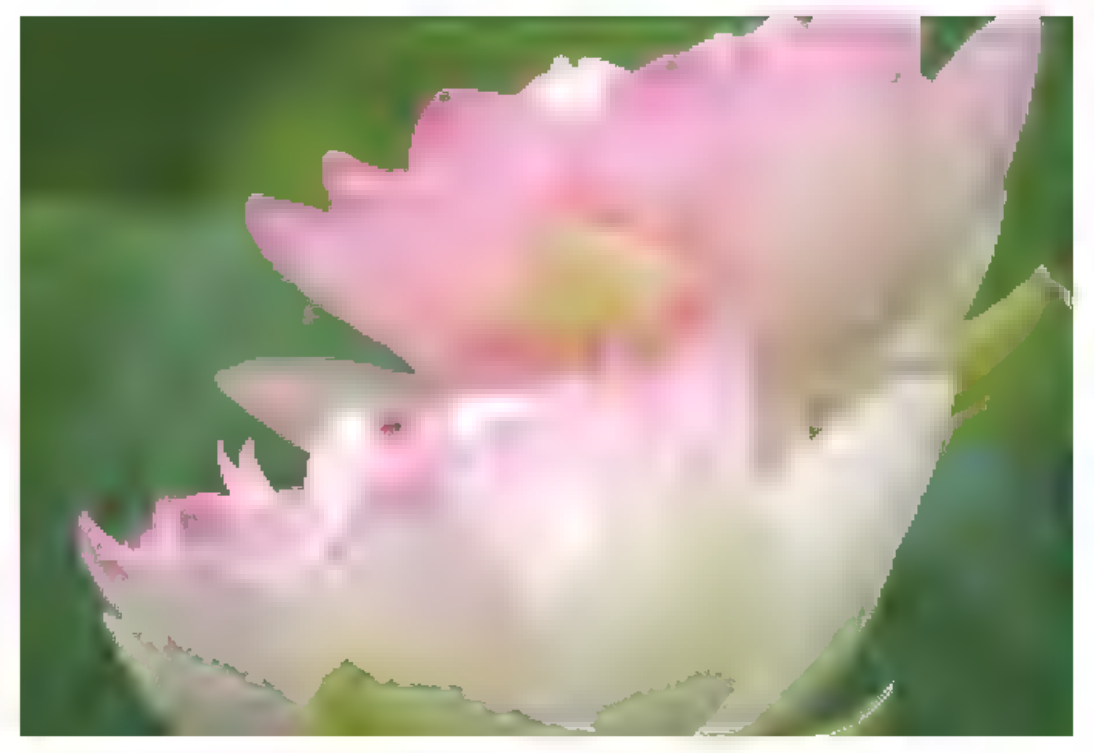
photos by Kimberly Bretz, Leanne Gomes, Sonia Lalla, Cindy Lancaster, and Mary Lou Olson

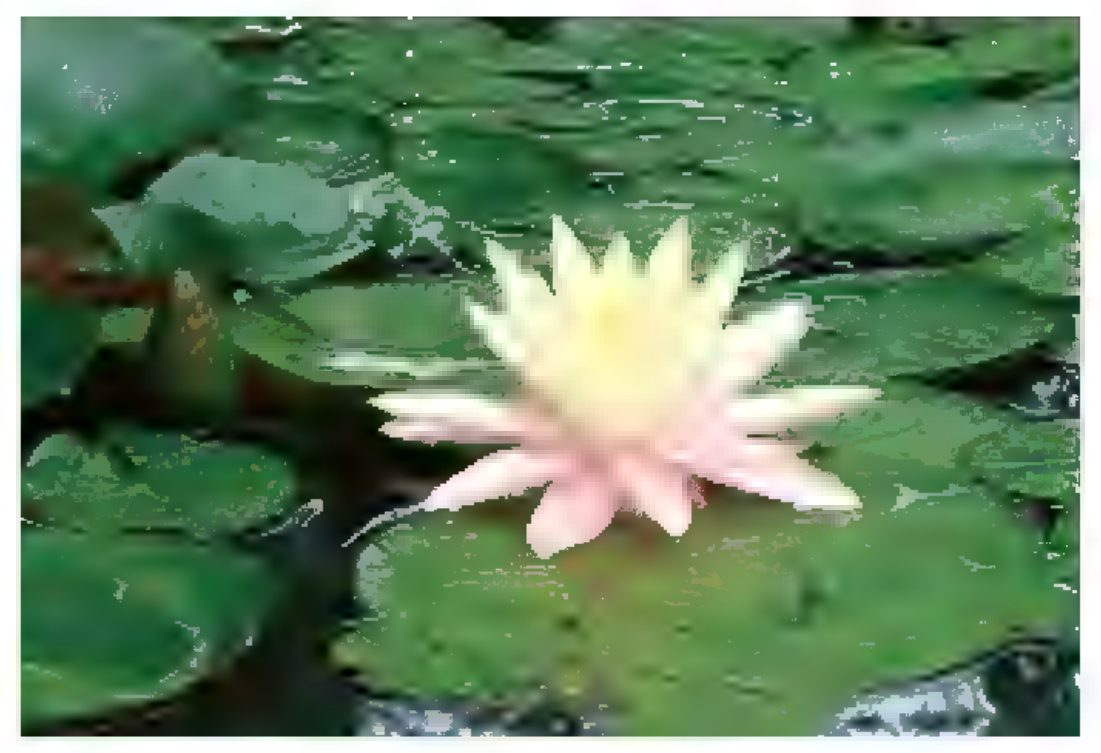
July 2012

Average temperature: low 70.6°, high 89.8°

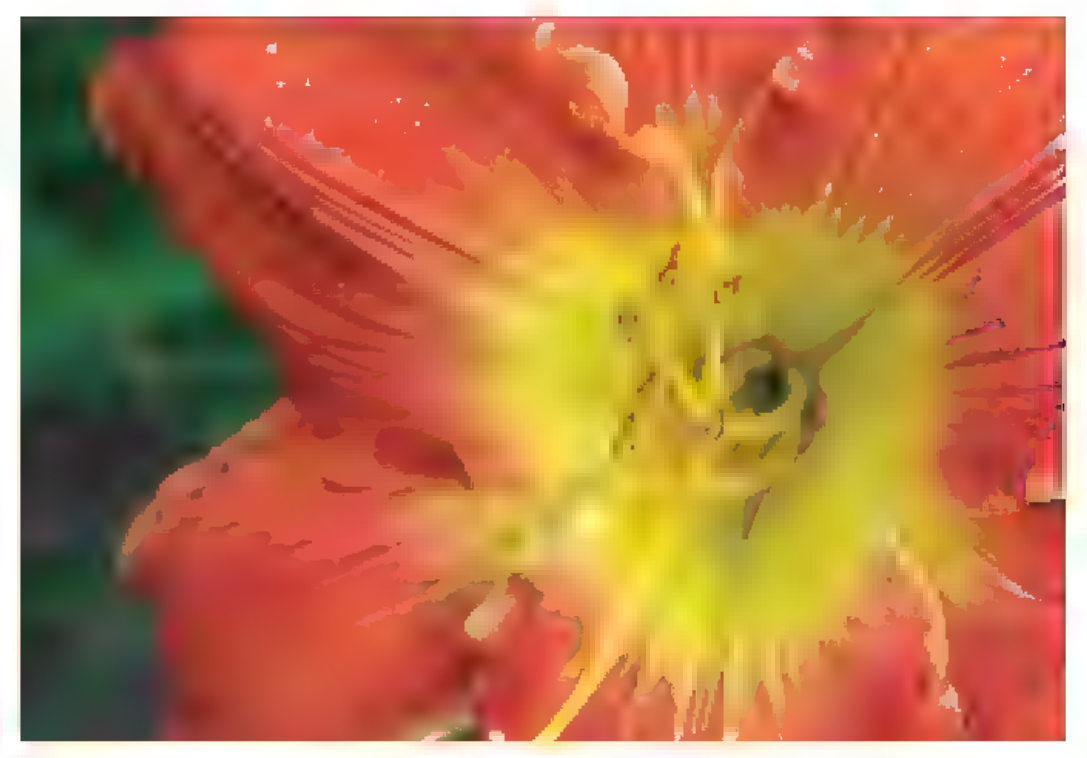
Average precipitation: 3.9 in.

What's in bloom?


sacred lotus


water lilies

coneflower


daylily

hydrangea

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP ■ Cactus Sale, through July 31. GGS	2	3	4 **INDEPENDENCE DAY** Whitaker Music Festival ■ Air National Guard Band of the Central States. 7:30 p.m. CA	5 **Lantern Festival.** 6 to 10 p.m. $	6 **Lantern Festival.** 6 to 10 p.m. $	7 **Lantern Festival.** 6 to 10 p.m. $ ■ Henry Shaw Cactus Society Show and Sale, through July 10. RVC ■ NiNi Harris and Esley Hamilton Book Signing: *St. Louis Parks*. 11 a.m. GGS
8 **Lantern Festival.** 6 to 10 p.m. $ ■ Henry Shaw Cactus Society Show and Sale, through July 10. RVC ■ Cafe Flora Brunch. 10 a.m. SP	9 ■ Henry Shaw Cactus Society Show and Sale, through July 10. RVC	10 ■ Henry Shaw Cactus Society Show and Sale, through July 10. RVC	11 Whitaker Music Festival ■ Ryan Spearman Band. 7:30 p.m. CA	12 **Lantern Festival.** 6 to 10 p.m. $ ■ Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 2. 1 p.m. $ ☎ SNR	13 **Lantern Festival.** 6 to 10 p.m. $ ■ Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 2. 1 p.m. $ ☎ SNR	14 **Lantern Festival.** 6 to 10 p.m. $
15 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	16	17 ✿ Members' Family Picnic, 5:30 p.m. ☎	18 Whitaker Music Festival ■ Teresa Jenee. 7:30 p.m. CA	19 **Lantern Festival.** 6 to 10 p.m. $ ■ Science Café. "Mapping a Garden: Using GIS Technology to Manage a Living Museum." 7 p.m. Herbie's Restaurant, 405 N. Euclid Ave.	**RAMADAN** 20 **Lantern Festival.** 6 to 10 p.m. $ ■ Around the World Wine Dinner: East Meets West in St. Louis: Franco-Vietnamese Cuisine and French Wines. 6:30 p.m. $ ☎	21 **Lantern Festival.** 6 to 10 p.m. $ ■ Great Green Adventures: Exploring Chinese Plants. 10:30 a.m. and 1:30 p.m. $ CHD
22 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	23	24 HAPPY BIRTHDAY, HENRY! ■ St. Louis Water Gardening Society Auction. 6 p.m. CBEC	25 Whitaker Music Festival ■ Aaron Kamm and the One Drops. 7:30 p.m. CA	26 **Lantern Festival.** 6 to 10 p.m. $	27 **Lantern Festival.** 6 to 10 p.m. $	28 **Lantern Festival.** 6 to 10 p.m. $ ■ Fifth annual Bug Hunt. 11 a.m. BH
29 **Lantern Festival.** 6 to 10 p.m. $ ■ Cafe Flora Brunch. 10 a.m. SP	30	31				

KEY (All events take place at the Garden unless otherwise noted.)

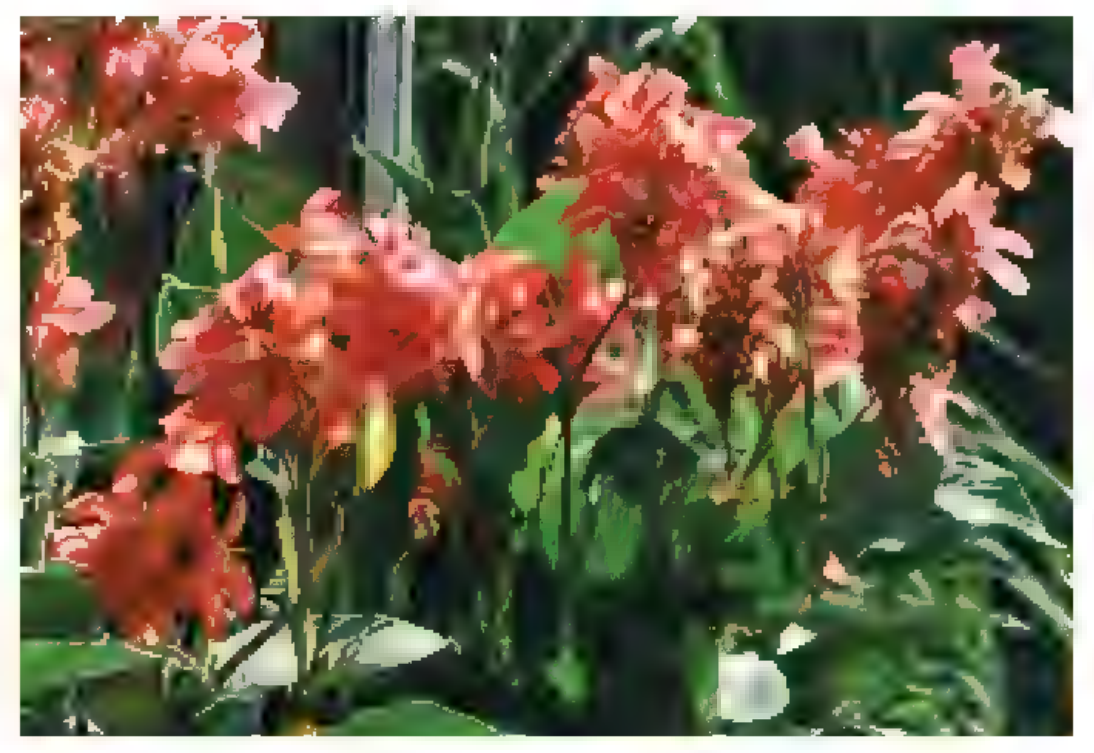
BH	Butterfly House	KC	Kemper Center for Home Gardening	SP	Spink Pavilion
CA	Cohen Amphitheater	LS	Little Shop Around The Corner	ST	Shoenberg Theater in Ridgway Visitor Center
CBEC	Commerce Bank Center for Science Education	MC	Monsanto Center	🌿	Sassafras
CHD	Children's Garden	MH	Monsanto Hall in Ridgway Visitor Center	✿	Members-only event
CL	Climatron lawn	RVC	Ridgway Visitor Center	☎	Reservations required
GGS	Garden Gate Shop	SNR	Shaw Nature Reserve	$	Fee required
JE	Jordan Education Wing in the Visitor Center				

photos by Emily Amberger, David Lampe, Mary Lou Olson, Brian Mueller, Leslie Patrice, and Jennifer Wolff.

August 2012

Average temperature: low 68.6°, high 87.9°
Average precipitation: 2.98 in.

What's in bloom?

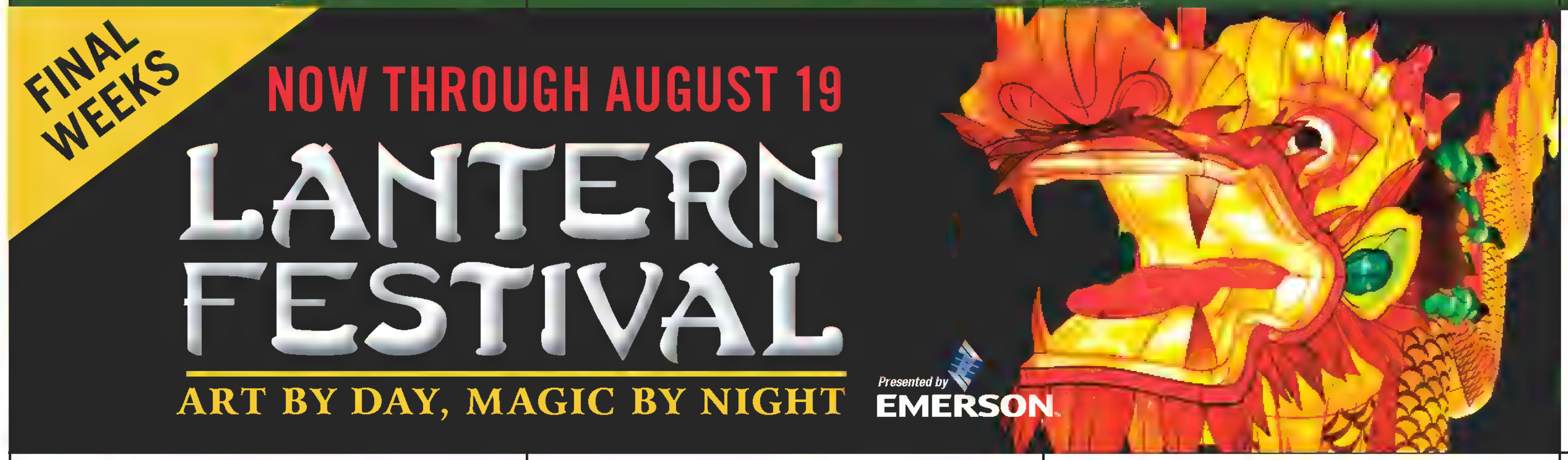
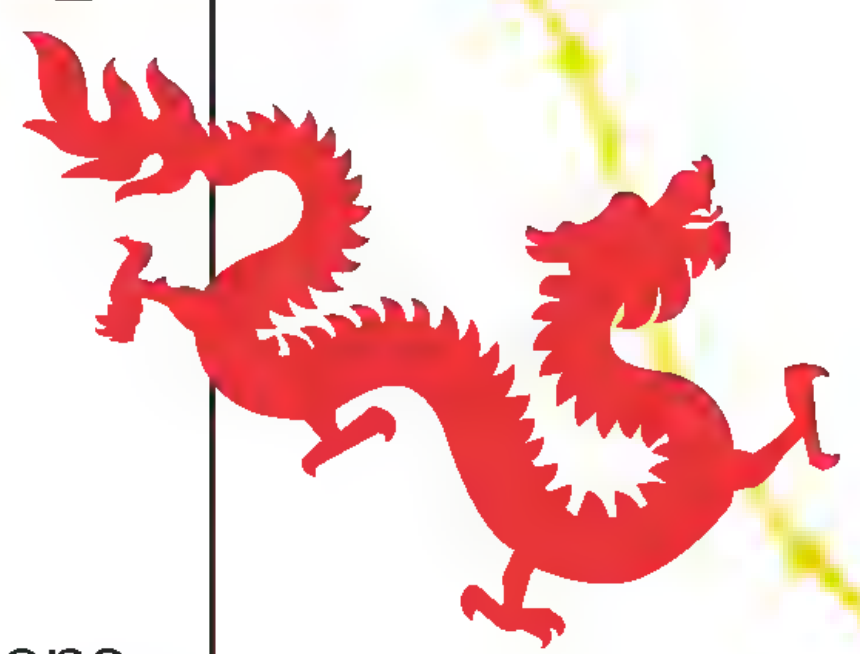

canna

black-eyed susan

gladiolus

petunia

pandas

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 FINAL WEEKS NOW THROUGH AUGUST 19 LANTERN FESTIVAL ART BY DAY, MAGIC BY NIGHT Presented by EMERSON			1 LANTERN FESTIVAL OPEN EVERY EVENING AUGUST 1–19. $  ■ Online class registration opens. www.mobot.org/classes	2	3	4
5 ■ Cafe Flora Brunch. 10 a.m. SP	6	7	8	9	10	11 ■ Butterfly Field ID. 1 p.m. $ ☎ BH
12 ■ Corporate Partners Day. ■ Cafe Flora Brunch. 10 a.m. SP	13	14	15 	16	17 ■ Native Plant School, 5 p.m. $ ☎ SNR ■ Around the World Wine Dinner: The Ring of Fire: Wines of the Pacific Northwest, Food from Around the Pacific Rim. 6:30 p.m. $ ☎	18 ■ Great Green Adventures: Native Prairie Explorations. 10:30 a.m. and 1:30 p.m. $ CHD
19 **EID-AL-FITR** LAST DAY OF LANTERN FESTIVAL ■ Cafe Flora Brunch. 10 a.m. SP	20	21	22	23	24	25
26 ■ Cafe Flora Brunch. 10 a.m. SP ■ Orchid Society of Greater St. Louis Auction. Noon. RVC	27	28 ❀ Members' Day: Tour of the Kemper Center, 10 a.m. ☎ KMP	29	30	31	

photos by Laura Beth Eschbacher, Glenn Kopp, Lauren Kirkwood, Jeffrey Ricker, and Leslie Patrice

Exotic Treasures

Join us this summer for the Lantern Festival and shop our indoor and outdoor bazaars where we will be offering a broad range of beautiful gifts for all ages. Members always receive a discount.

EXQUISITE FABRICS
Traditional Weaving and Embroidery Tourism in China
EXQUISITE FABRICS

photo by Christina Kelley

Celebrating Chinese Festivals

GARDEN
GATE SHOP.ORG

All proceeds benefit the Missouri Botanical Garden.

bulletin
LANTERN FESTIVAL

Ready to Go Electronic?

The Bulletin is available as a downloadable PDF for viewing onscreen on your computer. Sign up for the new online version by sending an e-mail to membership@mobot.org. Let us know if you'd like to forego your paper subscription to save trees.

You can also send an e-mail to membership@mobot.org if:

- ☐ Your name is misspelled
- ☐ Your address is incorrect
- ☐ You receive more than one copy
- ☐ You no longer wish to receive the *Bulletin*

MISSOURI BOTANICAL GARDEN
P.O. Box 299 • St. Louis, MO 63166–0299

PERIODICALS
POSTAGE PAID AT
ST. LOUIS, MO

SAVE THE DATE

Japanese Festival

Labor Day weekend, September 1–3

Celebrate the history, culture, and people of Japan at the Garden's annual festival, one of the largest and oldest of its kind in the United States. Skip the lines and buy tickets online: www.mobot.org/tickets.
Sponsorship support by Novus International, Inc.

(photo by Emily Amberger)

MISSOURI BOTANICAL GARDEN

bulletin

Fall 2012 Vol. 100, No. 4 www.mobot.org

photo by Koraley Northen

President's Comment

By all measurements, the Garden's *Lantern Festival: Art by Day, Magic by Night* exhibit this summer has been a tremendous success. What's even more remarkable is how successful it was in spite of the extreme heat. The entire region weathered temperatures reaching into the triple digits, but that didn't stop more than 100,000 visitors from heading to the Garden to experience the spectacular sets lit up for evening display.

Nearly 6,000 people joined or renewed their memberships during the festival as well. This type of support helps make it possible to continue our mission to discover and protect the world's plant biodiversity. Some of that work is being done in places like Bolivia; the Garden's Madidi Project, led by Dr. Peter Jørgensen, was recently profiled in the journal *Science* (see page 7).

A great deal of work to preserve biodiversity takes place right here at the Garden. One of the most striking examples was the blooming of not one, but two *Amorphophallus titanum* plants (see page 6) this summer. The species is threatened by habitat loss in its native Sumatra; by growing them here we can raise awareness of this issue.

Although Lantern Festival has drawn to a close and the spectacular set pieces have left the grounds, the Garden is continuing to celebrate its year of China. This October, China will be the focus of the 59th annual Systematics Symposium, hosted here at the Garden. Systematics is the study of the diversity of life and the relationships among living things through time, and this year's conference will highlight the *Flora of China* project, which is nearing completion after 25 years of work.

Peter Wyse Jackson

Dr. Peter Wyse Jackson,
President

As a Garden member, did you know that:

- You get free admission for two adults and all children 12 and under to the Shaw Nature Reserve and Sophia M. Sachs Butterfly House?
- You get free admission to the Children's Garden all day Tuesday, and from 9 a.m. to noon, Wednesday and Saturday? (Closed November–March)
- Special members' days entitle you to exclusive events and activities, as well as free tram rides and discounts in the gift shop and café?
- You get free or reduced price admission to nearly 270 botanical gardens and arboreta in the U.S. and Canada?

These are only a few of the benefits of membership. If you upgrade your membership, you get even more! Visit us at www.mobot.org/membership, e-mail membership@mobot.org, or call (314) 577-5118.

Board of Trustees

Officers
Chair
W. Stephen Maritz
Vice Chair
Cheryl P. Morley
President
Peter S. Wyse Jackson, M.A., Ph.D., FLS
President Emeritus
Peter H. Raven, Ph.D.

Members
Mrs. Walter F. Ballinger II
Catherine B. Berges
Daniel A. Burkhardt
Arnold W. Donald
Lelia J. Farr
Sharon D. Fiehler
Robert R. Hermann, Jr.
David M. Hollo
David W. Kemper
Charles E. Kopman
Hal A. Kroeger
Carolyn W. Losos
Daniel J. Ludeman
Cynthia S. Peters
Nicholas L. Reding
Steven C. Roberts
Marsha J. Rusnack
Rakesh Sachdev
Scott C. Schnuck
Rex A. Sinquefield
Nancy R. Siwak
Andrew C. Taylor
Eugene M. Toombs

Ex Officio
Rev. Lawrence Biondi, S. J.
The Hon. Charlie A. Dooley
Myrtle E.B. Dorsey, Ph.D.
Thomas F. George, Ph.D.
Benjamin H. Hulsey
The Hon. Francis G. Slay
The Rt. Rev. George Wayne Smith
Richard T. Sullivan, Jr.
Mark S. Wrighton, Ph.D.

Members Emeriti
Clarence C. Barksdale
John H. Biggs
Stephen F. Brauer
William H.T. Bush
Bert D. Condie III
Prof. Sir Peter R. Crane FRS
L. B. Eckelkamp, Jr.
M. Peter Fischer
Marilyn R. Fox
Robert R. Hermann
Edward D. Higgins
Paula M. Keinath
Rosalyn H. Kling
Robert E. Kresko
June M. Kummer
Lucy L. Lopata
James S. McDonnell III
Helen E. Nash, M.D.
Evelyn Edison Newman
Roy Pfautch
Mabel L. Purkerson, M.D.
Lucianna G. Ross*
Anthony F. Sansone, Sr.
Joseph F. Shaughnessy
Robert B. Smith III
Nora R. Stern
William K.Y. Tao, D.Sc.
George E. Thoma, M.D.
Jack E. Thomas
Jane S. Tschudy
John K. Wallace, Jr.
O. Sage Wightman III
Roma B. Wittcoff

Honorary
Surinder M. Sehgal, Ph.D.

Members' Board
Laure B. Hullverson, *President*
Mary Ella Alfring
Ann M. Bowen
Eileen M. Carr
Ann L. Case
Sue Cohen
Kristen Cornett
Andrea Craig
Jeanne P. Crawford
Janelle Criscione
Angela Dalton
Jean C. Davis
Mary Kay Denning
Ellen Dubinsky
Audrey Feuerbacher
Linda M. Finerty
Michael C. Heim
Janice A. Hermann
Lise Herren
Sheila Hoffmeister
Leslie P. Hood
Maureen R. Jennings
Ellen E. Jones
Janet B. Lange
Mary V. Longrais
Parker B. McMillan
Isabelle C. Morris
Gale Murphy
Jacquelin S. Naunheim
Mary Neher
Anita D. O'Connell
Sue B. Oertli
Sue M. Rapp
Susan N. Rowe
Sammy Ann Ruwitch
Marsha J. Rusnack
Nancy L. Sauerhoff
Ron Schlapprizzi
Susie Littmann Schulte
Kathleen Smith
Celeste D. Sprung
Carol A. Squires
Susan Squires Goldschmidt
Brent St. John
Nora R. Stern
Elizabeth Teasdale
Jane S. Tschudy
Douglas R. Wolter

Botanical Garden Subdistrict of the Metropolitan Zoological Park and Museum District
Theresa Loveless
John C. McPheeters
Marcia B. Mellitz
Martin Schweig
Pamela Shephard
Walter G. Stern
Marjorie M. Weir
Roy Jerome Williams, Sr.
Robert M. Williams, Jr.
Hillary B. Zimmerman

Non-voting advisory members:
Willie J. Meadows
Janice M. Nelson
James H. Yemm
Francis Yueh

** deceased*

Garden Hours

The Garden is open 9 a.m. to 5 p.m. every day except December 25.

Outdoor walking hours begin at 7 a.m. Wednesday and Saturday (except during signature events).

General Admission

$8 ($4 for residents of St. Louis City and County); children 12 and under are free. Garden members receive free admission (based on level).

Children's Garden: $5 for children; adults admitted free. ($3 for Garden members' children.) Members' children admitted free on Tuesdays. Open April through October.

Contact

Missouri Botanical Garden
4344 Shaw Blvd., St. Louis, MO 63110
(314) 577-5100 • www.mobot.org

On the Cover:

Japanese Garden in fall.
Photo by Emily Amberger.

Credits

Editor: Jeff Ricker
Designer: Ellen Flesch

The *Bulletin* is a benefit of Garden membership. The BULLETIN (ISSN 0026-6507) is published quarterly by the Missouri Botanical Garden, 4344 Shaw Blvd., St. Louis, MO 63110. Periodicals postage paid at St. Louis, MO

POSTMASTER: Please send address changes to *Bulletin*, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299

Sustainability

The Missouri Botanical Garden *Bulletin* is printed on paper containing 100% post-consumer recycled content, that is, paper that you might have placed in the recycle bin in your home or office this year. It is manufactured using wind power, a renewable energy source. We print locally, so there is no long-haul transportation, and we're reinvesting in our community. We work hard to choose the most environmentally responsible paper around. So if you aren't quite ready to go completely electronic with our online version, you can still enjoy your paper *Bulletin* in good conscience. Once you've read it, please recycle.

photo by Kimberly Bretz

Contents

8 A Living Museum

Technology transforms plant collections management.

10 The Art of Pruning

Next to watering, it may be the most important thing you do for your plants.

President's Comment 2
News 4
Butterfly House 11
Shaw Nature Reserve 12
Tributes 13
Seen at the Garden 16
Events 18
Calendar 20

To discover and share knowledge about plants and their environment in order to preserve and enrich life.

– mission of the Missouri Botanical Garden

News

Monsanto Helps Fund World Flora Online

The Missouri Botanical Garden has received a three-year, $3 million gift from Monsanto Company to support its work on the development of a World Flora Online.

The World Flora is an international collaborative effort to develop the first-ever comprehensive online resource for the world's approximately 400,000 known plant species. Monsanto's support will fund the Garden's contributions to this endeavor from 2012 to 2015.

"The proposed World Flora Online will be an invaluable, accessible treatment of the world's plant diversity that will act as a baseline to support global efforts to identify, safeguard, sustainably use, and manage plants for humankind," said Garden President Dr. Peter Wyse Jackson. "The importance of Monsanto Company's funding for this international endeavor cannot be overstated."

In 2002, the United Nations Convention on Biological Diversity adopted a Global Strategy for Plant Conservation (GSPC). This was subsequently updated in 2010 with the aim of halting the loss of plant species worldwide by 2020. The online flora is the first of 16 targets identified by the GSPC to be achieved by 2020.

In 2012 the Missouri Botanical Garden; New York Botanical Garden; Royal Botanic Garden Edinburgh; and Royal Botanic Gardens, Kew signed a Memorandum of Understanding detailing their intent to work together to support the development of a World Flora Online. They will be joined in this work by a large number of other botanical institutions worldwide.

Representatives met at the Garden July 16–18 to discuss strategy for creating the World Flora online by 2020. (photo by Kaitlyn Mauro)

Consortium to Tackle World Flora Project

A three-day conference held July 16–18 at the Missouri Botanical Garden hosted 34 individuals from botanical institutions in 17 countries who met to discuss how to achieve the goal of creating an online World Flora by 2020. At the conclusion of the meeting, attendees agreed on terms to establish a consortium encompassing all of the world's major botanical institutions to work together toward meeting this target of the Global Strategy for Plant Conservation.

"I was very pleased by the optimism and sense of comradeship shared by the attendees," said Garden President Dr. Peter Wyse Jackson.

Wells Fargo Supports Green Schools Program

Thanks to support from Wells Fargo Advisors, Missouri Botanical Garden educators were able to work with students in the St. Louis Public Schools during the 2011–2012 school year through the Green Schools Program.

Over 250 students at Dunbar Elementary School, L'Ouverture Middle School, and Vashon High School participated through classroom lessons, student-conducted green school audits, and student projects.

"Students and staff at all three schools were very excited about the program," said Kim Petzing, supervisor of education programs for the Garden's EarthWays Center. "As the students conduct their work, they educate their classmates, making students in each of the three schools aware of the research and ways to make their schools and lives more sustainable."

Garden Receives NSF Grant for Undergraduate Research Program

Ten undergraduate students from Florida, Illinois, Michigan, Missouri, South Dakota, and Puerto Rico spent ten weeks in St. Louis this summer conducting research projects under the mentorship of Missouri Botanical Garden Ph.D. scientists, thanks to a three-year, $338,878 grant from the National Science Foundation (NSF).

The Research Experiences for Undergraduates Program (REU) allows students to work on independent mentored projects in plant systematics, conservation biology, and ethnobotany. REU students train in all aspects of scientific research, from project design to presentation of results.

"The REU program fills an open niche at the Missouri Botanical Garden," said Dr. David Bogler, assistant curator at the Garden and principal investigator (PI) and coordinator of the REU program. "We have educational programs for K–12 students and graduate students, and now an active program for undergraduates."

Power Up with Essence

Stop by Essence Healthcare's "Power Up" booth in Ridgway Visitor Center on Wednesday and Saturday mornings, September 5–26, from 7 to 11 a.m. You'll receive tips for healthy living, information on Garden walking routes, and a healthy snack to "power up" your Garden walk.

Volunteer Appreciation Evening

On May 21, the Garden saluted its volunteers during our annual Volunteer Appreciation Evening. Dr. Peter Wyse Jackson presented special awards to the following outstanding individuals and groups:

- Sue Rogers, *Commitment Award*
- Donna Olson, *Dedication Award*
- Michael Schade, *Extra Service Hours Award*
- Ron Stevens, *Green Award*
- Dave Tognoni, *Rookie Volunteer of the Year Award*
- Gary Hartman, *Special Achievement Award*
- St. Louis Herb Society, *Group Excellence Award*
- Ann Case, *Lifetime Achievement Award*

40 years
30 years
20 years
10 years

Volunteer Service Recognition

To say the Garden would be lost without its volunteers is not much of an exaggeration. In 2011, 1,916 people volunteered nearly 152,000 hours of their time to the Garden. That's the equivalent of 78 full-time staff. On May 24, the Garden celebrated the commitment of these volunteers at the annual volunteer service recognition luncheon.

40 years of service: Kaye Quentin began volunteering for the Garden in 1972. When she started in the Climatron®, one of her first tasks was raking leaves. She moved on to the Plant Records department a few years later, where she continues to volunteer her time. In the late 1970s when the Garden's plant collections records migrated to computerized format, she helped convert over a hundred years of paper records to database. She continues to help record when plants in the collection move or die, track plant labels, and more.

10 years—first row, from left: Alison O'Brien, Elizabeth Murney, Lois Cromwell, Rose Marie "Skip" Smith, Jean Rosenfeld, Eileen Carr, Pat Kloster, Carol Gravens, Mary Jo Anderson, Marti Warhurst; second row: Richard Pandorf, Harold Tennyson, Norma Horn, Betty LeMatty, Virgil Mann, Marilyn Heller, Kathy Young, Linda Thomas; third row: Dr. Peter Wyse Jackson. Not pictured: Dale Albers, Lois Brinkmeyer, Peggy Burris, Susan Chaires, Diana Cohn, Cindy Cross, Evie Dickerman, Carolyn Gildehaus, Monica Hartenstine, Diana Haynes, Gary Karpinski, Lynn Kiske, Karl Kleekamp, Jack Lane, Steven Linford, Carolee Martin, Sue McCool, Terry Milne, Nancy Parker, Ve'Niecy Pearman-Green, Anne Ragland, Fred Rauch, Cyndy Reynolds, Brian Sadlo, Norma Schechter, John Solodar, Ron Stevens, Beverly Thiele, Doug Wolter. 20 years—first row: Dorothy Ernst, Barbara Lawton, Kay Banks, Pat O'Brien, Dr. Wyse Jackson, Al Bedford, Cindy Stein, Cherie Moody, Madeline Pisani; second row: Barbara Mutz, Mary Ann Hogan, Caroline Sant, Norma Holler, Wilma Wienold, Maureen Helfers, Priscilla Rodriguez; third row: Gail Abbott, Ray Kirkman. Not pictured: John Kolar, Deborah Ladd. 30 years—Arden Fisher, Joan Murphy, Barbara Ottolini, Dr. Wyse Jackson, Marie Schmitz, Sue Reisel. 40 years—Dr. Wyse Jackson, Kaye Quentin. (photos by Chris Norton)

News continued

Alyse Kuhlman (left) of the Garden's William L. Brown Center meets with Ellie Justus to receive her donation for Madagascar cyclone relief.

11-year-old Pitches in for Cyclone Relief Drive

When cyclone Giovanna swept through the island nation of Madagascar February 13, thousands of people lost their homes and more than two dozen people were killed. The devastation also wiped out the nation's rice crop and many fruit trees, leaving countless citizens vulnerable to starvation. The Garden's William L. Brown Center conducts community-based conservation projects in Madagascar and began collecting donations to help with relief, and that's when Ellie Justus decided to get involved.

11-year-old Ellie, whose parents Chuck and Amy are Garden members, heard Alyse Kuhlman, the Brown Center's Madagascar Ethnobotany Program coordinator, discussing the devastation on television. Ellie began collecting donations at school, which she presented to Kuhlman June 15.

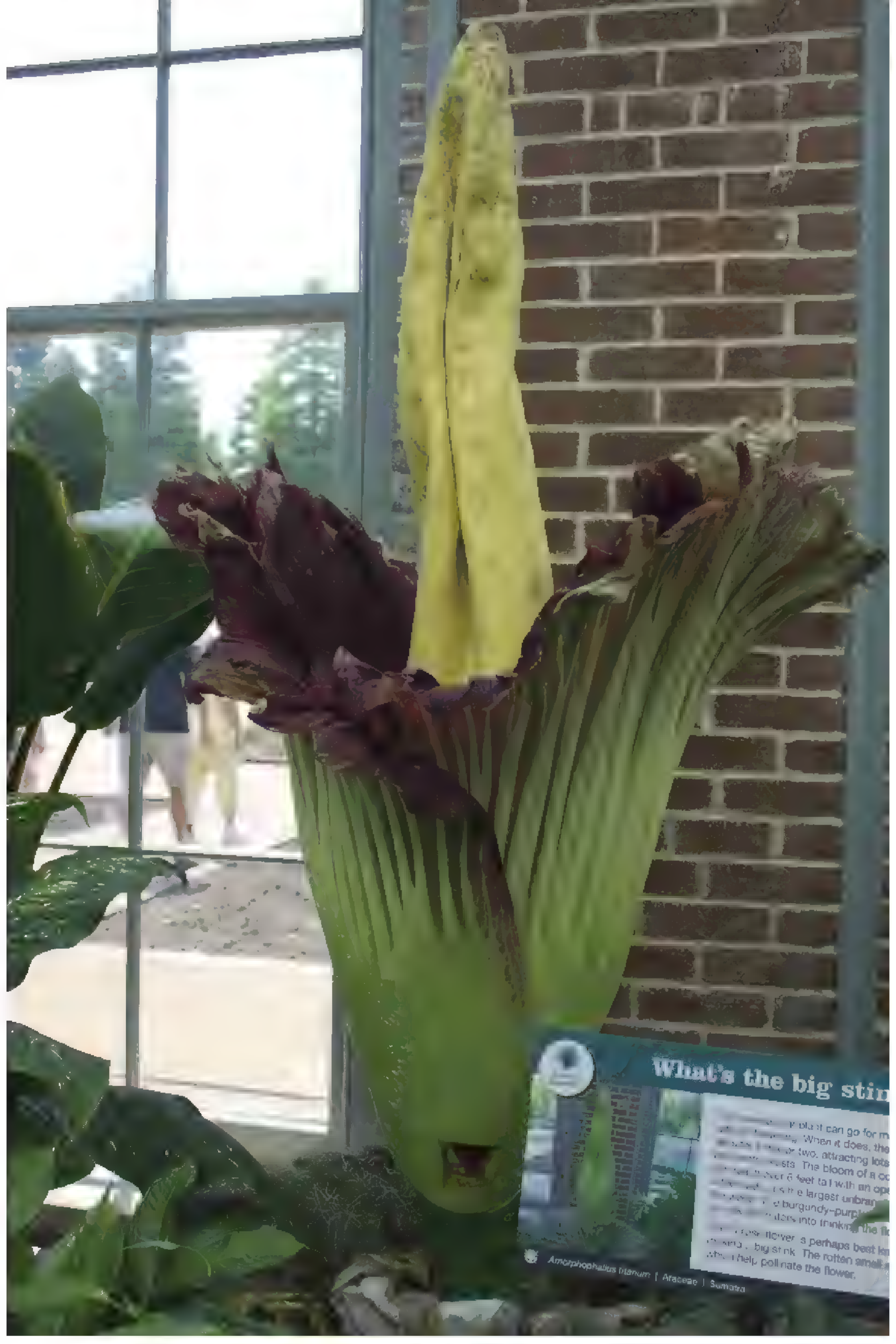
As little as $5 or $10, Kuhlman said, can make a big difference in Madagascar, one of the poorest nations in the world. "That can go a long way in helping us to feed this community where we work."

The Garden's William L. Brown Center is dedicated to the study of useful plants and the preservation of traditional knowledge.

The Big Stink: Two Titan Arums Bloom

Since the plant *Amorphophallus titanum* was discovered in Sumatra nearly 120 years ago, fewer than 160 bloomings have occurred among the specimens in cultivation. They bloom rarely and only under just the right conditions. That's why this past summer was a lucky time at the Garden, because not one but two of these plants, commonly called the titan arum or corpse flower, bloomed here.

The specimens were gifted to the Garden's president emeritus, Dr. Peter Raven, in 2008 from Huntington Botanical Gardens in California. When they do flower, the plants emit an intense, foul odor that lasts about 24 hours. The first specimen bloomed in May and was displayed in the Linnean House. The second bloomed a month later in the Climatron®.



The first of two titan arums blooms in the Linnean House. (photo by Chris Norton)

Donations from Boeing Employee Fund Reach $104,000

The Employees Community Fund (ECF) of Boeing St. Louis recently made a gift of $17,000 to the Garden's EarthWays Center, bringing its total support of the Garden's sustainability education initiatives to $104,000 over the last 11 years.

Donations from the ECF have supported volunteer program growth and management, homeowner sustainability education, the Green Resources Answer Service, and development of educational exhibits and videos. Most recently, the ECF provided funding for a planning study to examine how best to demonstrate sustainability resources to visitors at the Missouri Botanical Garden. The study will also consider future education and community outreach programs.

Employees Community Fund of Boeing St. Louis
MISSOURI BOTANICAL GARDEN
One Hundred and Four Thousand
Employees Community Fund of Boeing St. Louis

Representatives from the Boeing Employees Community Fund present a check to the Garden symbolizing their support of the EarthWays Center. (photo by Chris Norton)

From the Garden's Grill

Sure, summer is the traditional season to break out the grill, but the last place anyone wanted to be this summer was in front of hot coals when the mercury topped the century mark. As autumn ushers in cooler temperatures, though, make up for lost time with chef Diana Smith's barbecue rub—all of the flavor, none of the heatstroke.

Learn more:

Join Diana Smith for her class, Gifts from the Kitchen, on Saturday, November 10 at 10 a.m. Diana will teach how to make last-minute hostess or thank-you gifts, from chocolate-dipped candied orange peels to Creole seasoning. $35 members; $42 nonmembers. For information or to register, visit www.mobot.org/classes.

Barbecue Rub

Yield: 1 cup

- 2 Tablespoons Kosher salt
- 4 Tablespoons brown sugar
- 4 Tablespoons ground cumin
- 2 Tablespoons freshly ground black pepper
- 2 Tablespoons chili powder
- 4 Tablespoons paprika
- 4 Tablespoons dried parsley flakes

Combine all the ingredients in a medium mixing bowl. Stir with a whisk to blend. Store in a tightly covered jar.

Use this rub on ribs, pork steaks, or chicken. Simply rub a generous amount into the meat, then roast or grill.

For ribs: Rub the ribs on both sides with the BBQ rub. Place ribs on a baking sheet in a preheated 175 oven for 3 hours. Do not bother to turn them, because these ribs are being slow cooked and infused with the spices. Remove the ribs from the oven. They can be grilled immediately or refrigerated, covered, for up to two days.

Grill over a low charcoal fire with the rack set as high as possible. Allow a light crust to form on the ribs before turning them over. Once the ribs are heated through and have a nice crust on each side, remove them from the grill, slice between the bones and serve.

"The grants from the Employees Community Fund of Boeing St. Louis, reviewed and awarded by Boeing employee teams, are a unique vote of support for the work of our EarthWays Center," said Glenda Abney, the center's director.

University Awards Garden Botanist Honorary Degree

The University of British Columbia (UBC) recently awarded honorary Doctor of Science degrees to Walter Lewis and Memory Elvin-Lewis. Walter Lewis is a senior botanist at the Missouri Botanical Garden and emeritus professor of biology at Washington University; Memory is a professor of microbiology and ethnobotany and adjunct professor of biology. The honorary degrees were presented during spring congregation at UBC, their alma mater, on May 26.

Madidi Project Featured in *Science*

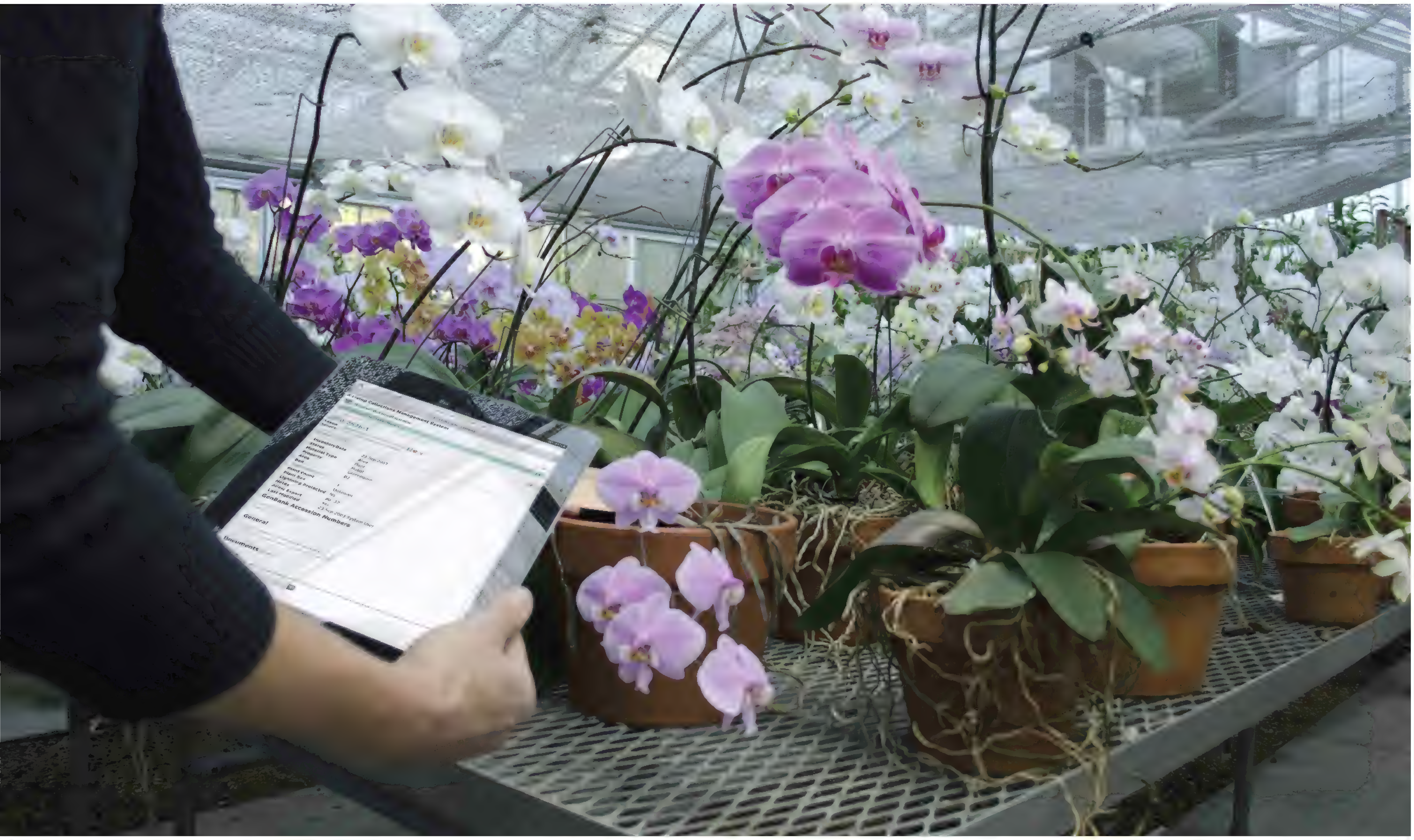
An article in the journal *Science* recently featured the Missouri Botanical Garden's Madidi Project, highlighting the study in the Madidi National Park of Bolivia to document the effect of climate change on tree species. The project, led by Garden Curator Dr. Peter Jørgensen, has been ongoing for ten years.

Researchers have been measuring tree growth to determine how tree species have been reacting to changes in their environment and human activity. Elevation in the park ranges from 180 to 6,000 meters above sea level, allowing researchers to observe whether trees are shifting their range instead of adapting in place.

The article appeared in the July 20, 2012 issue of *Science*.

A Living Museum

Technology Transforms Plant Collections Management



Mobile technology allows Horticulture staff to monitor and record changes to plants' conditions directly into a database from anywhere in the Garden.

It's probably no surprise that the Missouri Botanical Garden keeps track of every plant within its walls. Botanical gardens have kept records of their living collections for hundreds of years, dating as far back as the 16th century.

"The Garden is not just a pretty park. We're a living museum," said Rebecca Sucher, living collections manager at the Garden. "As such, we curate our plant collections."

Only in recent decades, though, have plant records gone digital.

The Garden is currently integrating its plant collections database—the record of every plant grown at the Garden—with a geographic information system (GIS). This involves merging database information with maps, making it easy to analyze and share data between departments, with other institutions, and with visitors to the Garden.

The Plant Records staff keeps track of nearly every plant that enters the Garden. The database records whether it was purchased, donated, or collected in the wild and, if it was wild-collected, the latitude, longitude, altitude, and so on.

All those data tell a story, even if it's as simple as what to find where in the Garden.

The Garden is working with the Desert Botanical Garden in Phoenix, Arizona on this project, thanks to a grant DBG received from the Institute of Museum and Library Services (IMLS) to create a centralized GIS database for its living plant collections. The Garden has also received a $25,000 grant from the National Park Service's National Center for Preservation Technology and Training to develop, test, and disseminate a system to facilitate data gathering on living collections. This would allow data to be gathered and entered directly into a web-based data form from a computer tablet for inventory management and outreach purposes.

All gardens are struggling with records management, Sucher said. There is no single standard recordkeeping format, which makes sharing of data cumbersome. "Nobody knows what everyone else has," she said, "which makes collaboration on threatened species conservation projects extremely difficult."

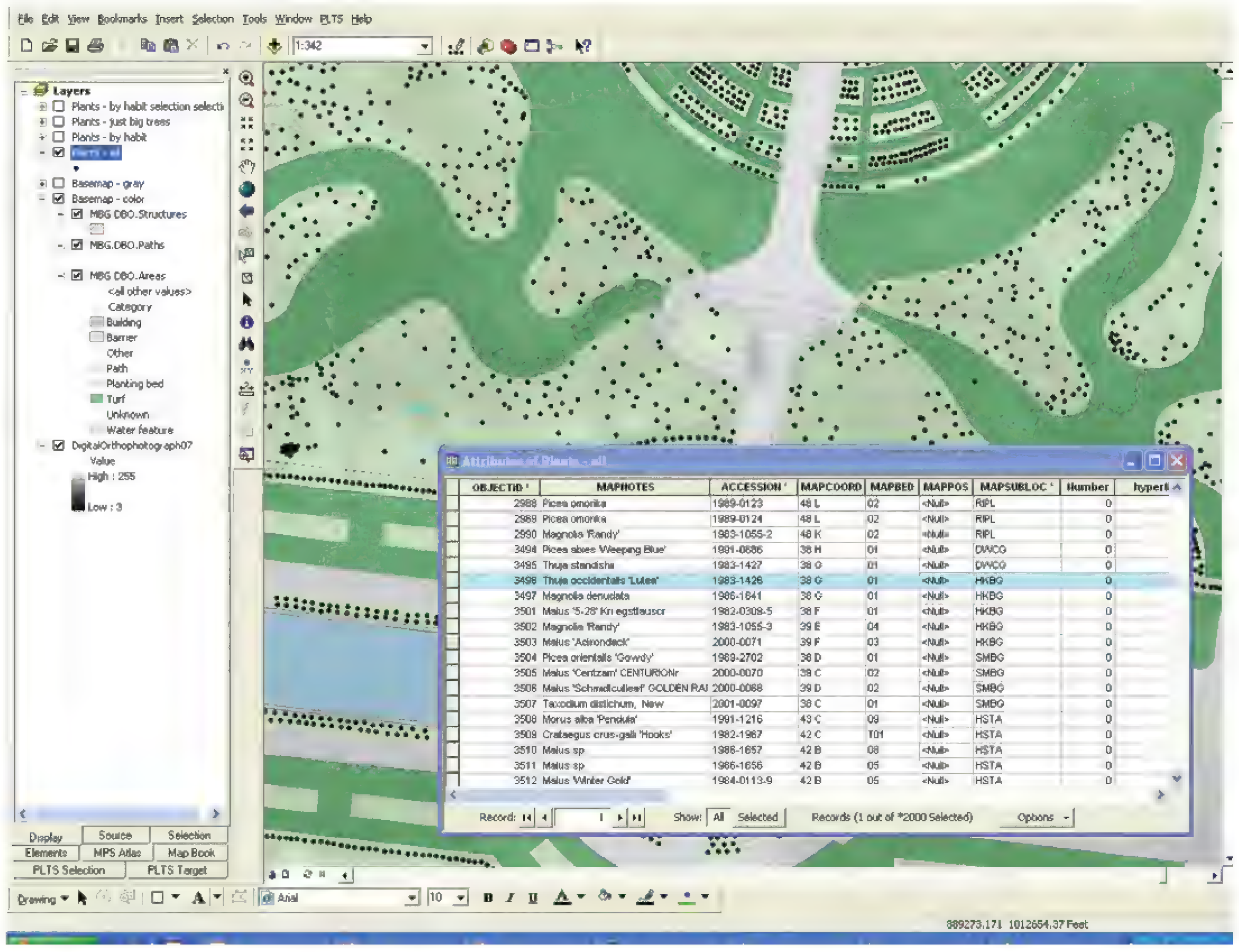
The Garden is using ArcGIS software created by ESRI, a California-based technology company. Working out in the Garden, staff can use a tablet such as an iPad to update a plant's record including information about its condition, whether it's been moved, or if it's died. The database gets updated without even having to set foot in an office and turn on a computer.

Garden staff is currently building the core database for this project. The Garden has just been awarded a grant from the William T. Kemper Foundation—Commerce Bank, Trustee, to complete Phase I of the project. The Garden also won a Museums for America grant from IMLS to create database modules for greenhouse tracking, Gardening Help, and conservation management.

There'll be an app for that

Putting this kind of information in the hands of visitors, in a user-friendly format, would give them the potential to customize their visit to the Garden in ways that are personally relevant, said Sheila Voss, vice president of Education. "While the Garden has important stories, knowledge and ideas to share, so do our visitors," she said.

Incorporating plant database information into customizable visitor guides and educational materials will transform the visitor experience into a participatory one that prompts, questions, and challenges, she said. It would also allow visitors to share their own experiences through interactive features accessible online and via smartphones. The Garden is working this year on the pilot phase of the "MyGuide" series of visitor engagement tools and tactics, thanks to a grant and technical expertise provided by Maritz.


File Edit View Bookmarks Insert Selection Tools Window PLTS Help
Layers
Attributes of Plants - all
Display
Source
Selection
Record:
Show: All Selected
Options
889273.171 1012654.37 Feet

OBJECTID *	MAPNOTES	ACCESSION *	MAPCOORD	MAPBED	MAPPOS	MAPSUBLOC *	Number	hyperl
2988	Picea omorika	1989-0123	48 L	02	<Null>	RIPL	0	
2989	Picea omorika	1989-0124	48 L	02	<Null>	RIPL	0	
2990	Magnolia 'Randy'	1983-1055-2	48 K	02	<Null>	RIPL	0	
3494	Picea abies 'Weeping Blue'	1991-0686	38 H	01	<Null>	DWCG	0	
3495	Thuja standishii	1983-1427	38 G	01	<Null>	DWCG	0	
3496	Thuja occidentalis 'Lutea'	1983-1426	38 G	01	<Null>	HKBG	0	
3497	Magnolia denudata	1986-1641	38 G	01	<Null>	HKBG	0	
3501	Malus '5-28' Kn egstlauscr	1982-0309-5	38 F	01	<Null>	HKBG	0	
3502	Magnolia 'Randy'	1983-1055-3	39 E	04	<Null>	HKBG	0	
3503	Malus 'Adirondack'	2000-0071	39 F	03	<Null>	HKBG	0	
3504	Picea orientalis 'Gowdy'	1989-2702	38 D	01	<Null>	SMBG	0	
3505	Malus 'Centzam' CENTURIONr	2000-0070	39 C	02	<Null>	SMBG	0	
3506	Malus 'Schmidtcutleaf' GOLDEN RAI	2000-0068	39 D	02	<Null>	SMBG	0	
3507	Taxodium distichum, New	2001-0097	38 C	01	<Null>	SMBG	0	
3508	Morus alba 'Pendula'	1991-1216	43 C	09	<Null>	HSTA	0	
3509	Crataegus crus-galli 'Hooks'	1982-1987	42 C	T01	<Null>	HSTA	0	
3510	Malus sp	1986-1657	42 B	08	<Null>	HSTA	0	
3511	Malus sp	1986-1656	42 B	05	<Null>	HSTA	0	
3512	Malus 'Winter Gold'	1984-0113-9	42 B	05	<Null>	HSTA	0	

Records (1 out of *2000 Selected)

By merging database information with mapping tools, GIS users can pinpoint individual plants anywhere in the Garden, as well as features such as benches, sculptures—even sprinkler heads and electrical outlets—and use that data for analysis.

The plant collections database can also share information with Tropicos®, the world's largest botanical database, said Chris Freeland, a research associate and former director of the Garden's Center for Biodiversity Informatics. A visitor to the Garden might learn about a plant in the collection, then scan a QR (Quick Read) code on the plant's label to find out where other species of the same type of plant occur all over the world. If it's available, they could even pull up pictures of the plant in its native habitat and tips from Gardening Help on how to grow it here.

That's the goal, at least, Freeland said. The Garden is actively seeking additional funding to bring all the benefits of this system to fruition.

"It will be rolled out gradually, and the results will keep users of the website and visitors to the Garden engaged," he said.

The Art of Pruning

Learn more

Join Ben Chu for "Basic Pruning," offered Thursday, September 27, 7 to 9 p.m., at the Garden. Find out when and how to prune, correct damage from pests, see a live pruning demonstration, and more. $25 members, $30 nonmembers. For information or to sign up, visit **www.mobot.org/classes**.

To many gardeners, pruning is a mysterious and misunderstood art. Next to watering, though, it may be one of the most important things you do for your plants.

by Benjamin Chu,
Horticulture Supervisor—
South Gardens

Pruning involves removing part of a plant for the benefit of the whole plant. You may be removing dead, dying, or diseased parts; helping maintain an open plant crown for good air and sunlight penetration; directing and encouraging growth; or increasing flower and fruit production.

There are three types of pruning cuts:

- **Drop-crotch cuts**—used to remove the terminal end of a branch to a lateral branch; also used for height and size reduction.
- **Thinning cuts**—used to remove a lateral branch to its point of origin on a branch or to the trunk; also used to reduce over-crown density.
- **Heading cuts**—made indiscriminately along the stem, typically when shearing hedges or creating formal shapes. Heading cuts should never be made on a mature tree, which results in the production of poorly attached, weak wooded stems that are prone to breakage. Often referred to as "topping."

The first priority in pruning is to remove branches that are dead, dying, or diseased. This prevents the potential spread of rot and disease into the healthy part of the plant.

Many trees produce two types of undesirable growth from latent buds: *water sprouts*, which grow vertically from the trunk; and *root suckers*, which start at the roots. Both grow vigorously and can quickly overtake the plant, robbing it of important nutrients. Remove them at their point of origin.

Unpruned trees often develop branches that compete for space and sunlight. In time, some branches are shaded out and may die. Remove competing branches that will have the least impact on the overall crown appearance, density, and symmetry. Prune to establish good vertical spacing of branches along the length of the trunk and radial spacing of branches around the trunk.

Pruning requires practice and observation. Be patient and begin slowly. It's always better to remove too little than too much. Follow the steps outlined above, and you'll produce a healthy, vigorous plant for many years of enjoyment.

Butterfly House

Outstanding Owls and Orchids

Dusk settles on the Costa Rican rainforest. The air begins to cool as the sun sets, and animals begin to seek a quiet place to pass the night. Suddenly there's a flash of wings and three massive shapes speed through the air right at eye level. They seem much too large to be butterflies, but they are! This is the owl butterfly, the largest butterfly found in the New World. Unlike most butterflies, the owl only flies at dusk and dawn, a behavioral pattern known as crepuscular activity.

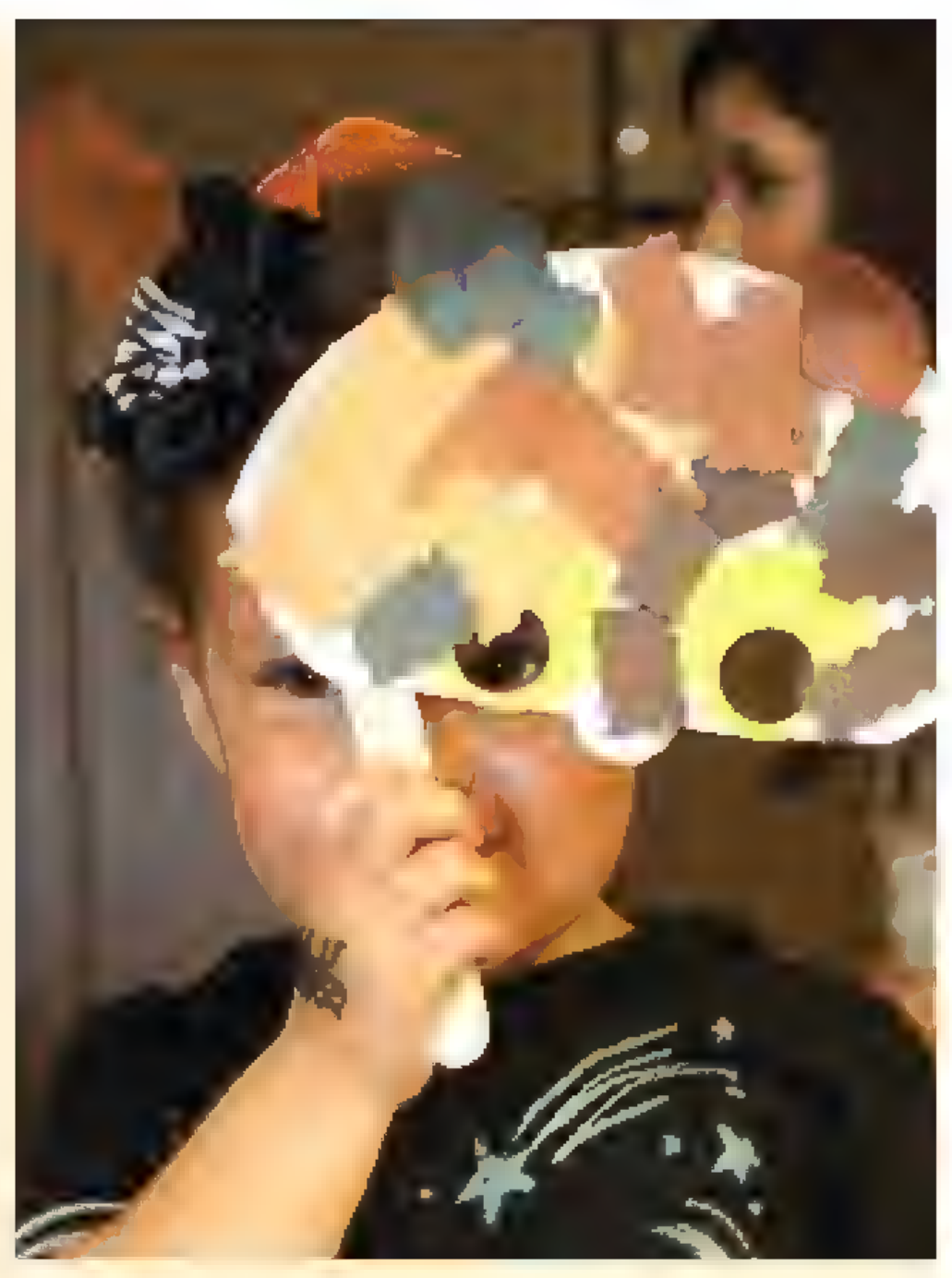
The Butterfly House is hosting 1,000 owl butterflies every day during the month of October. The owl butterfly gets its name from the large eyespot on each hind wing that startles predators into thinking it is much fiercer than it really is.

Come during the day and you will find huge groups of owl butterflies feeding from mashed-up bananas on tree trunks. Each Tuesday night, join us as we stay open until 7 p.m. to watch these magnificent butterflies fly in pairs and trios around our conservatory. The sheer number of butterflies in flight offers an astounding air show like no other.

Each Tuesday evening will also feature a 30-minute informal talk on owl butterflies, rainforests, and other topics. The talk is included with Butterfly House admission.

The butterflies are accompanied by over 200 blooming orchids. The orchids' fantastic colors and spectacular shapes delight the senses. Some orchids also produce beautiful aromas that fill the tropical air with fragrance. We will have a wide variety of arboreal and terrestrial orchids on display. Orchids will also be available for purchase in the Madame Butterfly Gift Shop.

October Owls and Orchids is a fabulous treat that can be seen only at the Butterfly House, October 1–31, 9 a.m. to 4 p.m. Closed Mondays and open Tuesdays until 7 p.m.



BOOTTERFLIES

Saturday and Sunday, October 20 and 21, noon to 3 p.m.

- Hunt for our costumed giant insects (pretend, of course) as they play "Hide and Peek" throughout the Butterfly Conservatory. Find all eight insects and receive a special "I Spy a Bootterfly" sticker.
- Visit the Orange Headed Carnival to see how they celebrate Halloween cockroach style.
- Make a play-dough maze for a life-like ladybug or cockroach and race them to the finish line.
- Create crafts and play games such as "Creepy Crawly Spider Neckband" and "Sink a Stick Bug."
- Come dressed in costume and receive a goody bag to take home.

(Designed for little goblins ages 3 to 10. Included with Butterfly House admission.)

Shaw Nature Reserve

The wetlands area adjacent to Brush Creek. The Reserve is creating an 85-acre wetlands mitigation bank in the Meramec River flood plain. (photo by Emily Amberger)

‘Banking’ on Wetlands

Approximately 87% of Missouri’s wetlands have been destroyed since the first European settlers began to carve a living from the state’s woodlands, prairies, and bottomland forests. The United States has lost half its wetlands and continues to lose 60,000 acres annually.

Wetlands are considered the most biologically diverse of all ecosystems, serving as home to a wide range of plant and animal life. When rivers overflow, wetlands help absorb and slow floodwaters. They also absorb excess nutrients, sediment, and pollutants before they reach rivers, lakes, and other water bodies. Wetlands are great spots for fishing, canoeing, hiking, and birdwatching, and they make wonderful outdoor classrooms for people of all ages.

Governmental agencies and conservation organizations are working to stop the loss of wetlands. Under the Clean Water Act, the Army Corps of Engineers regulates and enforces policy related to wetlands. Any projects that impact wetlands must be deemed unavoidable to be authorized by the Corps. If impacts are considered unavoidable, compensation is required to mitigate for lost wetland functions and value. One solution is to buy wetland credits from an approved “wetland bank.”

Shaw Nature Reserve, with support from the Edward K. Love Conservation Foundation, is working with the Corps to create an 85-acre wetland mitigation bank in the Meramec River flood plain. The bank will contain 34 acres of wetland, a 39-acre prairie buffer, and a 12-acre tree planting.

This bank will contain 46 credits that entities can purchase to mitigate for impacts to wetland habitat in the Meramec River watershed. The sale of credits is monitored by the Corps, but the revenue generated will be used for ecological restoration activities at the Reserve. Over time, the wetland bank will generate approximately $1 million in revenue, along with critically needed wetland habitat and important water quality benefits for the Meramec River watershed.

Prairie Day

Saturday, September 15,
10 a.m. to 4 p.m.,
Shaw Nature Reserve

Hitch up the wagons and head out to this fun-filled family event portraying prairie heritage through activities and demonstrations. Hike the Reserve’s 250-acre tallgrass prairie, play pioneer games, see craft demonstrations, and more. Sponsored by the Reserve and the Missouri Department of Conservation. Admission: $3 Garden members and Reserve passholders; $6 nonmembers 16 and older; $2 for children 15 and under. Information: (636) 451-3512.

Tributes

April through June 2012

A tribute gift to the Garden is a wonderful way to honor family and friends. Tributes of $25 or more are listed in the *Bulletin*. If you have questions regarding giving opportunities at the Garden, please call (314) 577-0805. You can also make a tribute gift online at our website, www.mobot.org.

In Honor of

Dr. and Mrs. Bruce Allen
Dr. Ronald A. Pursell

Paul and Ann Arenberg
Mr. Steven Arenberg

Ms. Mary L. Brown and Mr. Elbert Williams
Ms. Ann Tift
Ms. Jeanne Tift

Ms. Marguerite L. Burns
Kay Whitener

Mr. and Mrs. Bob Busse
Mrs. Jane G. Webster

Mrs. Ann Case
Mrs. Lois Friedman
Mr. and Mrs. Nicholas S. Kurten
The Pace Family
Mr. and Mrs. Marc Vorih
Webster Groves Garden Club

Mrs. Betty Cohn and Mr. Paul Browning
Mr. and Mrs. Richard Rawlings

Mrs. Ellen Dubinsky
Mr. and Mrs. Robert N. Schulte

Mrs. Debbie Frager
Mrs. Barbara J. Liberman

Mrs. Irene Francisco
Mr. and Mrs. Christopher K. Reid

Mr. David Frank
Mr. and Mrs. Herbert M. Talcoff

Mrs. Sally Harrison
Mrs. Suzy Seldin

Jennifer and Tom Hillman
Mr. and Mrs. Tom Hillman

Mr. and Mrs. James L. Hoagland
Mr. and Mrs. Walter G. Stern

Mrs. Barbara Johnson
Mrs. Sherrill A. Boardman
Mr. and Mrs. L. Ranney Dohogne

Mr. and Mrs. John A. Jurgiel
Mr. and Mrs. Steve Tsangalias

Mr. Thomas Kerby
Ms. Joan E. Allison

Mr. and Mrs. Jay M. Lapin
Mr. and Mrs. Perry N. Sparks

Mr. Steven L. Lopata
Ms. Ruth Rosenberg

Mr. and Mrs. Jerry Marqulis
Ms. Martha S. Gersten

Dr. and Mrs. Kurt D. Merkel
Mrs. Vida S. Sax

Mr. and Mrs. Sandford J. Miller
Dr. and Mrs. Leon R. Robison III

Ms. Arlene R. Nazzoli and Mr. David Tognor
St. Louis College of Pharmacy

Mr. and Mrs. Shane Rousan
Mrs. Sharon Watts

Mr. and Mrs. Raymond H. Schaper
Mr. and Mrs. Gerald Hollenbeck

Dr. and Mrs. Robert J. Scudieri
The Scudieri Family

Mrs. Glenda Seldin
Mrs. Suzy Seldin

Rev. Dan Shaughnessy
Mr. and Mrs. Donald F. Boehm

Bill and Ruby Smith
Mrs. J. M. Leonhardt

Mr. Walter G. Stern
Ms. Nancy R. Burke
Mr. and Mrs. Henry W. Dubinsky
Mr. and Mrs. William B. Eiseman, Jr.
Lynn Hamilton and Michael Freund
Mr. and Mrs. Richard Halpern

Devon Torrence
Dr. and Mrs. Richard Blath

Mr. and Mrs. James K. Van Buren
Mr. and Mrs. Bernard G. Stever

Matt Viverito
Mr. and Mrs. Phillip Schreiber

Mrs. Patricia A. Wilson
Ms. Janet Wilson

Mrs. Ann Duvall Wyatt
Mr. and Mrs. J. Bruce Duvall

Mrs. Brenda K. Zanola
Mrs. Roberta S. Dearing

In Memory of

Mrs. Jean M. Ade
Mr. and Mrs. James G. Organ

Dr. Daryl J. Anderson
Ms. Leah Rubin

Lisa Anic
Mr. and Mrs. John Westermeyer

Mrs. Patty Barnard
Dr. and Mrs. William G. Juergens

Ms. Mary J. Bauer
Dr. Rosalyn Schultz

Miss Elsie Becker
Mr. and Mrs. William Stern

Mr. Ronald Beer
Mrs. Doris E. Fugman

Mr. David W. Bense
Automobile Club of Southern California (AAA)

Mrs. Cecelia M. Beyer
Ms. Jackie Juras
The St. Louis Master Gardeners
Mr. and Mrs. Robert Tucker

Ms. Jean A. Biddle
Mr. Jeff Gaughan

Mrs. Adelaide Bitting
Mrs. Katherine B. Piper

Mrs. Loretta Brewer
Mrs. Marian R. Dean

Mrs. Angela J. Brooks
Mr. Sylvester Brooks

Mrs. JoAnn Bruns
Mrs. Judith Tracy

Mrs. Ruth J. Buschart
Mr. and Mrs. Richard J. Buschart

Mrs. Elaine Butterfield
Mrs. Pamela Finch
Mrs. George R. Robinson

Ms. Bonnie C. Campbell
Mrs. Lynne M. Campbell

Ms. Barbara R. Cannas
Mrs. Beverly J. Austin

Mrs. Maxine Carmichael
Mr. and Mrs. Raymond H. Schaper

Mr. Craig H. Clearman
Suddenlink

Mr. Tony W. Cole
Mrs. Betty J. Cole

Mr. Ivan Coric
Mr. and Mrs. Stephen A. Melnick

Mrs. Helen D. Crane
Mr. Hugh R. Law

Ms. Slyvia Cytron
Ms. Martha S. Gersten

Carl E. Darigo
Mr. and Mrs. Andrew Remack

Mr. Kenneth DeSio
The Johnson Family

Mrs. Frances Desloge
Mr. and Mrs. Robert E. Kresko

Mr. B. Buddy Deutch
Mr. and Mrs. Roger N. Jungclaus

Mr. James Deyo
Mrs. Hilary Engelhardt

Mr. Terrence W. Dougherty
Mrs. Judy Bolian
Mr. and Mrs. Julian L. Carr, Jr.
Mrs. Ann Case
Mrs. Sondra E. Ellis
Ms. Kathleen M. Ferrell
Dr. and Mrs. William C. Finnie
Dr. and Mrs. Leonard J. Guarraia
Mr. and Mrs. Carl L. Hermann
Mrs. LaVerne N. Jaudes
Larry and Nancy Kirchhoff
MRH Junior High Class of 1972
Ms. Joyce C. Niewoehner
Mr. and Mrs. J.D. Proehl
Mr. Joseph A. Rezny
Mr. and Mrs. Kenneth E. Schutte
Mr. and Mrs. William Stern
Mr. and Mrs. Paul Watson
Ms. Karen Wilkinson

Ms. Joyce Dunn
Ms. Doris Hendrickson

Mrs. Jane K. Early
Mrs. Carol Hoogland

Mr. Jack Egel
Mr. and Mrs. Daniel L. Gravens

Ms. Carole Ewald
Mrs. J. M. Leonhardt

Mr. Edgar T. Farmer
Ms. Jill Gilbert

Mary and Charles Fisher
Ms. Shirley Blaul
Mr. and Mrs. Lee A. Brandenburger
Ms. Carolyn Elliott
Ms. Alice C. Fisher
Mrs. Doris Flowers
Mr. and Mrs. John D. Gray

Mr. Donald L. Flynn
Ms. Suzanne Frisse

Dr. Lance Gerowin, M.D.
Ms. Martha S. Gersten

Mr. Stanley Goodman
Mr. and Mrs. Richard Halpern

Mrs. Mary L. Gossett
Ms. Willodean Doyle
William and Ruth Mattingly

Mrs. Kathleen Greenwald
Mr. and Ms. Bruce H. Aydt
Mr. and Mrs. Jim Belval
Mr. and Mrs. Jeff Biskup
Mr. and Mrs. Robert Broderick
Mr. and Mrs. Willie Epps
Mr. and Mrs. Theodore Greenwald
Mr. and Mrs. Walter Greenwald
Ms. Janis Hopkins-Nugent
The Kramer Family
Mrs. Nancy Mager
The Mars Family
Mr. and Mrs. Jeff P. Matis
McCarthy Building Companies, Inc.
The Meyer Family
The Morris Famiy
Shook, Hardy & Bacon L.L.P.
Mr. Richard A. Songer
St. Louis Association of Realtors
Mrs. Magdalena Suter
Mr. and Mrs. Larry Walker
Jim and Brenda Walters
Roger, Sheri, and Nathaniel Whitfield
Mr. and Mrs. Donald E. Wood

Wayne and Helen Hanisch
Ms. Nancy S. Swoboda

Mrs. Anne Hind
Mr. and Mrs. Edward J. Crawford
Ms. Nancy D. Linn

Mrs. Patricia A. Holt
Mrs. Eileen Carr
Ms. Joyce C. Niewoehner

Mr. Selwyn Hotchner
Fred and Marti Reichman Charitable Fund

Mrs. Betty J. Hueser
Ms. Betty Murray

Mr. James E. Hullverson, Sr.
Mr. and Mrs. Terry E. Schnuck

Mrs. Marion Hungerford
Carolyn and Joseph Losos

Mr. Grant E. Hurford
Mrs. Madeleine Breen
Mrs. Charmaine Hurford
Dr. and Mrs. David Hurford

Mr. and Mrs. Ken Kunze
Mr. John Snodgrass
Mrs. Lori L. Strawbridge

Mr. Emil Jacob
Ms. Kathie Lauher and Ms. Susan Petersen

Alma Sigan Karpf
Mr. and Mrs. George Leontsinis

Dr. William S. Knowles
Mr. and Mrs. Walter E. Diggs, Jr.
Arden and Harry Fisher
Mrs. Frances Frey
Mrs. Anita Graves
Mr. and Mrs. Michael A. Grayson
Mrs. H. Ivis Johnston
Mr. and Mrs. Bill McNealy
Mrs. Kim J. Mester
Monsanto 3rd Tuesday Luncheon Group
Mr. James Sikorski
The Private Client Reserve
Mr. and Mrs. Gary Wolff
Dr. and Mrs. Chris J. Wunderlich

Mr. Mike Kodner
Mr. and Mrs. Walter G. Stern

Mrs. Katherine K. Krause
Mr. and Mrs. Richard Breugger, Sr.
Mrs. Natalie R. Dohr
Izumi N. Mueller and F. E. Stary
Ms. Noriko Murata

Ann Kubon
Frances, Mike, John, Bev, and Macha
St. Louis County Library Staff Association

Ms. Linda Lee
Dr. and Mrs. Ira J. Kodner

Ms. Annamarie C. Leung
Chris and Marilyn Leung

Doris and David Lichtenstein
Dr. Bruce C. Harris

Mr. Mark F. Litteken
Ms. Elizabeth A. Nieters

Mrs. Barbara Lykens
Mrs. Suzanne Stein

Mr. J.D. MacCallum
Parkview Horticultural Society

Cornelius and Catherine Mannhard
Ms. Marilyn Mannhard

Mrs. Elizabeth "Betsy" Martin
Dr. and Mrs. James R. Wiant

photo by Emily Amberger

Mr. Gerald Maschan
Dr. Scott Saracco and Dr. Peizhan Saracco

Mr. Henry Matsutani
The Mitori Family

Mr. Leroy K. McKay
Mrs. Claire K. Murray

Mr. and Mrs. Ray McLean
Mrs. Ilene D. Murray

Ms. Norma Mentel
Mr. and Mrs. Steven Collins

Mrs. Joan E. Merz
Mrs. Dolores M. Wente

Mrs. Derry C. Middelton
Mr. and Mrs. Mark Lashly

Mr. Charles R. Miller
Mrs. Linda S. Miller

Mrs. Dorothy Mosby
Ms. Debbie Cook
Dan and Molly Daugherty
Mrs. Bette Punshon

Mrs. Marge Murphy
Ms. Sally P. Hoffman

Mrs. Lillian Musial
Debbie and Larry Goldfarb

Ms. Betty Nellums
Jim and Norma Bright
Mr. Vernon A. Finch
Mr. and Mrs. Llyod C. Fuhrmeister
Mrs. Joan Goodson
Ms. Pamela Hoffman
Mrs. Martha E. Johnston
Mr. and Mrs. William S. Knowles
Monsanto 3rd Tuesday Luncheon Group
The Morton Family
Mr. Robert O. Nellums, Jr.
Mr. Robert O. Nellums
Mr. and Mrs. Warren Nelson
The Myron K. Peck Family
Mr. Harry S. Scott

Mr. Richard Neuman
Mr. and Mrs. David Freyman

Mrs. Audrey Newell
Mr. and Mrs. James Hersh
Mr. and Mrs. John Yacovelli
Ms. Carol Young

Mr. Harry A. Niewoehner, Jr.
Mr. and Mrs. James Schjolberg

Mr. Jim Nischbach
Mr. and Mrs. David E. Morgan

Mr. Ron Northup
Mrs. Norma L. Williams

Mr. Robert H. Orchard
Ms. Sandra Greenberg

Mrs. Kathy Overall
Mr. and Mrs. Wilson W. Overall
Mrs. Gwendolyn Schild
Mrs. Linda Schild

Mr. and Mrs. William B. Papageorge
Ms. Marilyn K. Anderson

Mr. John H. Payne, Jr.
Mrs. Katherine B. Piper

Mr. Kenneth O. Peck
Missouri Botanical Garden–Docents

Mrs. Stella Pettus
Mrs. Barbara Drey
Mr. Briggs A. Hoffmann, Jr.
Mr. and Mrs. Hugh R. Law
Mr. and Mrs. James S. McDonnell III
Mr. and Mrs. Francis M. Oates
Mrs. Georgia Pierpont
Mrs. Katherine B. Piper
Mr. Ralph W. Kalish and Ms. Eleanor L. Withers

Mr. Stephen F. Pfleeger
Mrs. Barbara L. Pfleeger

Mr. Jerry M. Pickett
Tracey Hill, Justin Pickett, and Emiley Pickett

Mr. William G. Pitcher, Jr.
Mr. and Mrs. William Pitcher

Mr. Frank J. Pollnow, Jr.
Mrs. Margaret P. Collins
Mr. and Mrs. Robert E. Kresko

Mrs. Elaine Pratzel
Ms. Susan M. Hall

Mrs. Nancy R. Primm
Mrs. Catherine S. Bollinger
Mrs. Margaret P. Collins
Mr. John E. Curby, Jr.
Mrs. Barbara Drey
Jane and David Haffner and Family
Mrs. Ginny Alfring Kalbach
Mr. Stan Platke
The Curbys, Mr. and Mrs. John W. Rowe
Mr. and Mrs. Bob Schaefer
Mr. Arthur Stockstrom, Jr.
Mrs. Frances Thompson
Ms. Elizabeth S. Van Dyke
Ms. Jackie K. Watson
Mr. and Mrs. David Q. Wells, Jr.

Mrs. Edna Jean Purcell
Mr. and Mrs. Jack Barnett
Ms. June A. Franks
Mr. and Mrs. King McElroy

Mr. Fred M. Reichman
Mr. and Mrs. David Bates
Ms. Daleyne G. Carter
Mr. and Mrs. Joseph L. Goltzman
Mr. Gregory Kalik
Mr. and Mrs. Roger Koch
Ms. Anne K. Larson
Mrs. Charlotte Martin
Dr. Raymond G. Slavin
Dr. Virginia S. Taylor
Mr. and Mrs. Kenneth E. Wilke
Mr. and Mrs. Michael D. Zaccarello

Ms. Pauline Reidt
Ms. Amanda Kist

Mrs. Helen Reiner
Mr. and Mrs. Jim Spray

Ms. Mary K. Ricketts
First Capitol Garden Club

Mrs. Alice Riggs
Mrs. Amy Fix
Ms. Rosalyn Olinger
Mrs. Mary E. Pitcher

Ms. Jean Roseman
Mrs. Helen Neal Simon

Ms. Odette M. Ryan
Ms. Mary Long

Mr. David Sacks
Mrs. Eileen Carr
Ms. Mary C. Cerney and Mr. Kyle Cummings
Melanie M. and Anthony E. Fathman, M.D.
Dr. and Mrs. William C. Finnie
Ms. Judith A. Harmon

Ms. Virginia Saputo
Mrs. Marian R. Dean

Mr. Harley Sartain
Mr. Robert E. Hamilton, Jr.

Colonel Wesley C. Scarborough
Ms. Cathy Exarhos

Mrs. Rita Schneider
Dr. Sharon Fitelson
Janie and David Smith
Cathy Trauernicht

Freda Schuetz
Mr. and Mrs. Richard Hercules, Jr.

Lt. Roslyn Littman Schulte
Jennifer and Tom Hillman

Mr. Michael Sehnert
Eric and Mary Thoelke

Mrs. Audrey Sherrard
Mr. and Mrs. Jack Smith

Mrs. Ruth Sherwin
Larry's co-workers at Laclede Gas Company
Ms. Farnell Parsons

J. J. Shorfheide
Mrs. Franklin C. Gilbert

Mrs. Yvonne D. Skrainka
Mr. and Mrs. Jerry Stoliar

Mrs. Lucille D. Smith-Lovely
Mr. and Mrs. James A. Wagner

Dr. Donald G. Spalding
Mr. Howard J. Wilkinson, Jr.

Mr. Henry Stamm
Ms. Marilyn Werner

Ms. Gerry Steiner
Ms. Katherine E. Chubb

Mr. George Steinmetz
Charles E. Mahoney CO
Keller Constructuon, INC.
Mr. and Mrs. Dennis R. Koch
The Charles K. Mahoney Family
Mr. and Mrs. Harlan E. Mayes
RCS Construction
Mr. and Mrs. Mark A. Seely

Helen and Edward Sullivan
Mrs. Carol M. Brook

Dorothy Mae Sweet
Ms. Nancy Helms

Mrs. Millie Thoele
Mrs. Dolores M. Wente

Mr. Robert C. Thumser, Jr.
Mrs. Marian R. Dean

Verna L. Trommerhausser
Mr. and Mrs. Keith Steinhoff

Mrs. Joan P. Tullington
The Kuchenbuch Family

Mr. Phillip Tyrrell
Mr. and Mrs. Lanny Smith

Bonnie Veskerna
Mr. and Mrs. Richard T. Loy

Mrs. Carolyn Wallach
Joseph A. Corrado, M.D.
The Davenports
Mr. and Mrs. William J. Falk

Mr. John Wannemacher
Ms. Vivien T. Gardner

Mrs. Jane Weis
Ms. Marge Adams, The Krus Family, and The Godwin Family
Mr. Jeffrey T. Demerath
Ms. Constance Lohr
Mr. and Mrs. Paul J. Wehling

Mr. Robert E. Whalen
Mr. John W. Rowe
Mrs. Anne Salvatori

Mrs. Leavera Wibbenmeyer
Robert and Judy Glasscock

Ms. Ann Kathleen Wilder
Alice Steiger, Joe and Kris Steiger, Mary Steiger, Mikey Steiger, Rick Steiger and Thom Gates, Tom and Debbie Steiger, and Nate Claus

Mabel Winn
Ms. Lynn K. Silence

Mrs. Mary L. Woratzeck
Mr. and Mrs. Robert E. Kresko

Mr. D.W. Young
Mr. and Mrs. Donald T. Murphy

Your brother Earl
Ms. Maxine Stone

Members' Entry Court

Bricks dedicated at the Garden, April through June 2012.

Engraved clay bricks and bronze bricks are a wonderful way to commemorate any special occasion, as well as final memorials. For additional information regarding the Garden's brick program, please contact the Institutional Advancement Office at (314) 577-0291 or visit www.mobot.org.

Signature Bronze Bricks

Amerisure Insurance Company
100th Anniversary Celebration

Eugene Bernath
Mrs. Alice L. Bernath

Alicia Brauer
Family and Friends

Edgar T. Farmer
Ms. Jill Gilbert, Family, and Friends

Suzanne and J. C. Hagan
Dr. Suzanne and Mr. Joseph C. Hagan

Lori and Corey Kilkelly
Mr. and Mrs. Corey Kilkelly

Alice McNeill
Mr. and Mrs. Guy L. McDonald

Engraved Clay Bricks

Jonah Bates
Miriam Bates
Mrs. Martha M. Reichman

Omi Borbonus
Mr. and Mrs. John Borbonus

Laurie Del Rosso
Mr. Patrick J. Del Rosso

Rick and Linda Dickhens
Mrs. Dorothy Labian

Bette Ginter
Mr. Patrick J. Del Rosso

William J. Hoeffel
Ms. Jeanne A. Bathen

Florence and Mark Kramer
Mrs. Mark Kramer

Sophie Krinski
Mr. and Mrs. Thomas L. Krinski

Henry Matsutani
Friends

Zain Khaled Mounir
Dr. Suzanne and Mr. Joseph C. Hagan

Fred Reichman
Mrs. Martha M. Reichman

Martha A. Rybinski
Mr. Stephen A. Ruby

Rich and Alex Usher
Mr. and Mrs. David R. Usher

Sue and Ken Wilke
Mr. and Mrs. Kenneth E. Wilke

photo by Emily Amberger

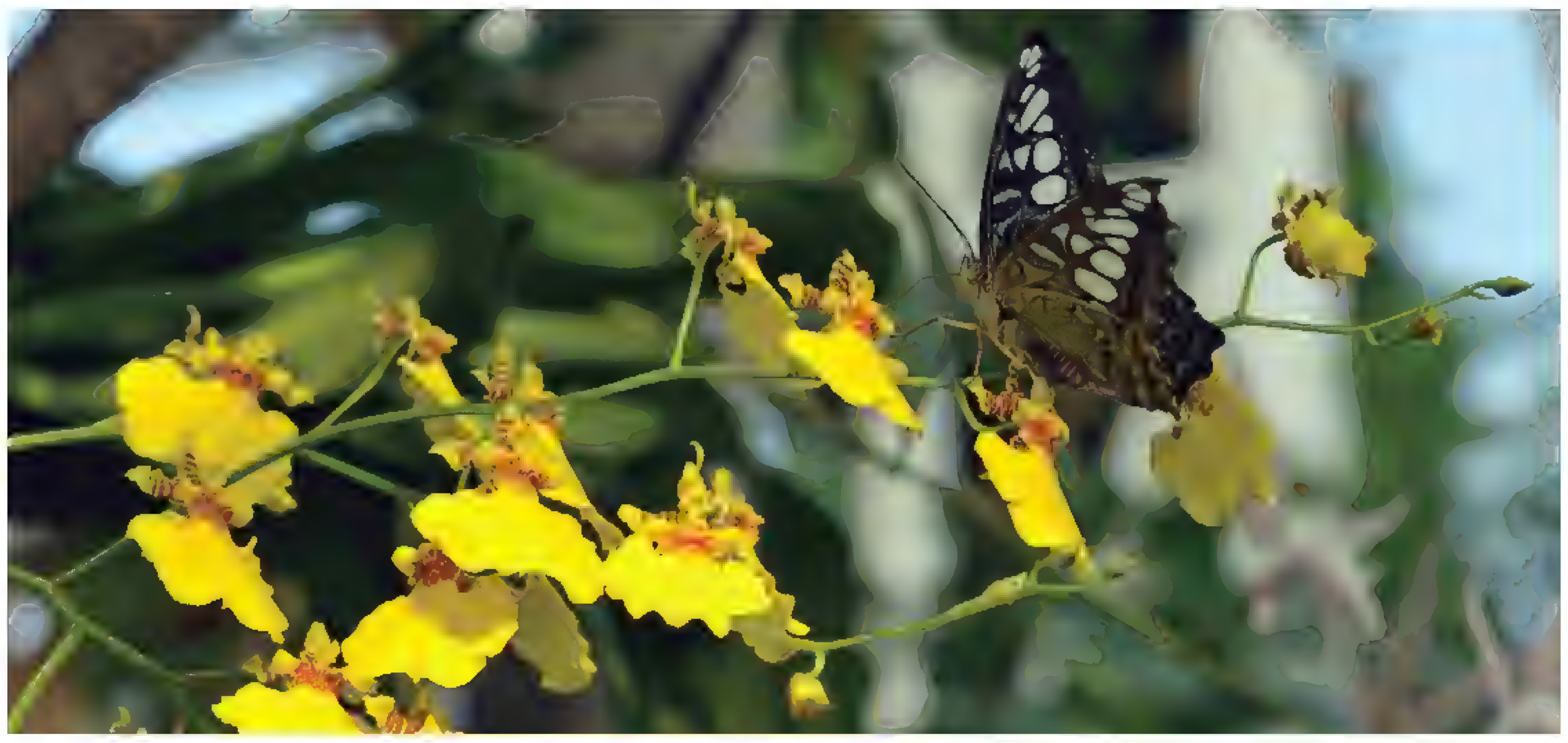


photo by David Merrit

Sophia M. Sachs Butterfly House Tributes & Pavers

Tributes and Pavers dedicated at the Butterfly House, April through June 2012. To learn more about these opportunities, call (314) 577-0291 or visit www.butterflyhouse.org.

Tributes

In Memory of

Betty Schilling (BH)
Mr. and Mrs. James S. Minogue
Mr. and Mrs. Jerry E. Ritter
Mrs. Patricia Smiley
Mrs. Leslie Van Meir
Mr. and Mrs. Daniel S. Warner

Pavers

Jean Behrle
Friends from BJC/WUSM

Emma and Elizabeth Brown
Mrs. Janet Preston

Norma Jean Hunt
Ms. Roberta A. Zeisler

Blair Michaela Shanahan Lane
Friends

Bob and Betty Little
Buddy and Susan Burr, Mike and Martha McCoy, Jim and Kathleen Little, and Liz Little

Marion D. McBride
Tom, Bill, Mary Beth, Liz, Nonna, Pete. Mike, Mary Anne, Linda, and Joe

Donald F. Mueller
Ms. Deanna M. Stassi

Jim and Betty Mulvaney
Friends

Gregg Neely
Ms. Judith L. Neely

Amanda and Brad Nivens
Mom and Dad Nivens
Mom and Dad McGregor

Anne, Gert, Marge, and Jane O'Malley
Mrs. Joan Marie O'Malley

Ellen Painter
Sophia M. Sachs Butterfly House Friends

Pasquale "Pat" Palmieri
Theresa Ciccolella
Maureen McNamara
Jessica Ciccolella-Kahl
Paul Ciccolella

James R. Powers
Sophia M. Sachs Butterfly House Friends

Ellen Roeder
Vince Giardano, Joe Giardano, Denise Smith, and Natalie Roberson

Brenda Sayers
Jack, Carmen, and Cole Harris

Upper-level Members

In appreciation of our members' ongoing generosity, we would like to thank the following who renewed or increased their support during April through June 2012. We appreciate your commitment to the Garden's mission and hope that you enjoy all the benefits that your membership offers.

Patron

($10,000 to $14,999)
Mr. and Mrs. William H. T. Bush
Mr. and Mrs. David M. Hollo
Mrs. William C. Schock

Garden Ambassador

($5,000 to $9,999)
Mr. David S. Obedin and Ms. Clare M. Davis

Garden Fellow

($2,500 to $4,999)
Thomas and Kathleen Fingleton
Mr. and Mrs. Lawrence E. Langsam
Mrs. Don C. Musick, Jr.
Mr. and Mrs. Doug Prosch
Mr. and Mrs. Todd R. Schnuck
Mr. and Mrs. James Shekelton
Mrs. Tom K. Smith, Jr.
Mr. and Mrs. Keith J. Smith
Mr. Michael Staenberg
Mr. and Mrs. William M. Whitmire
Mr. and Mrs. Harold Wiese
Mr. and Mrs. R. Dean Wolfe

Henry Shaw Associate

($1,500 to $2,499)
Mr. and Mrs. Robert L. Brannon
Drs. Jacob and Katherine Buchowski
Mr. and Mrs. Thomas S. Carnahan
Mr. and Mrs. Ronald W. Case
Mrs. Georgia D. Van Cleve
Dr. and Mrs. James R. Criscione
Mrs. Carol Darnall
Mr. and Mrs. Carl J. Deutsch
Mr. and Mrs. Donald J. Diemer
Mr. James Franklin
Mr. and Mrs. David O. Gifford
Mrs. Harry J. Hippenmeyer
Mark and Leslie Hood
Robert and Cynthia Hormell
Miss Ann Hubel
Mr. and Mrs. James E. Hullverson, Jr.
Mrs. Landon Young Jones
Wesley Jones and Nancy Ylvisaker
Mr. and Mrs. Kenneth Kranzberg
Mr. and Mrs. John Marcus
Mrs. Lucius B. Morse III
Mr. and Mrs. William Pohlman
Mr. and Mrs. Douglas E. Reed
Mr. and Mrs.* Clarence E. Roth
Mr. and Mrs. Harvey Saligman
Mr. and Mrs. Tom W. Santel
Mr. and Mrs. John W. Shepley
Mr. and Mrs. R. Richard Straub
Mr. and Mrs. Grenville G. Sutcliffe
Mr. and Mrs. Herbert M. Talcoff
Dr. and Mrs. William K.Y. Tao
Mr. and Mrs. Joseph S. von Kaenel
Mr. and Mrs. Richard K. Weil, Jr.

President's Circle

($1,000 to $1,499)
Ms. Velma R. Boyer
Mr. J. Michael Cozad
Ms. Suzanne Eaton
Ms. Arlene Howe and Mr. Brad LaVallee
Mr. and Mrs. Dan Wilke

** deceased*

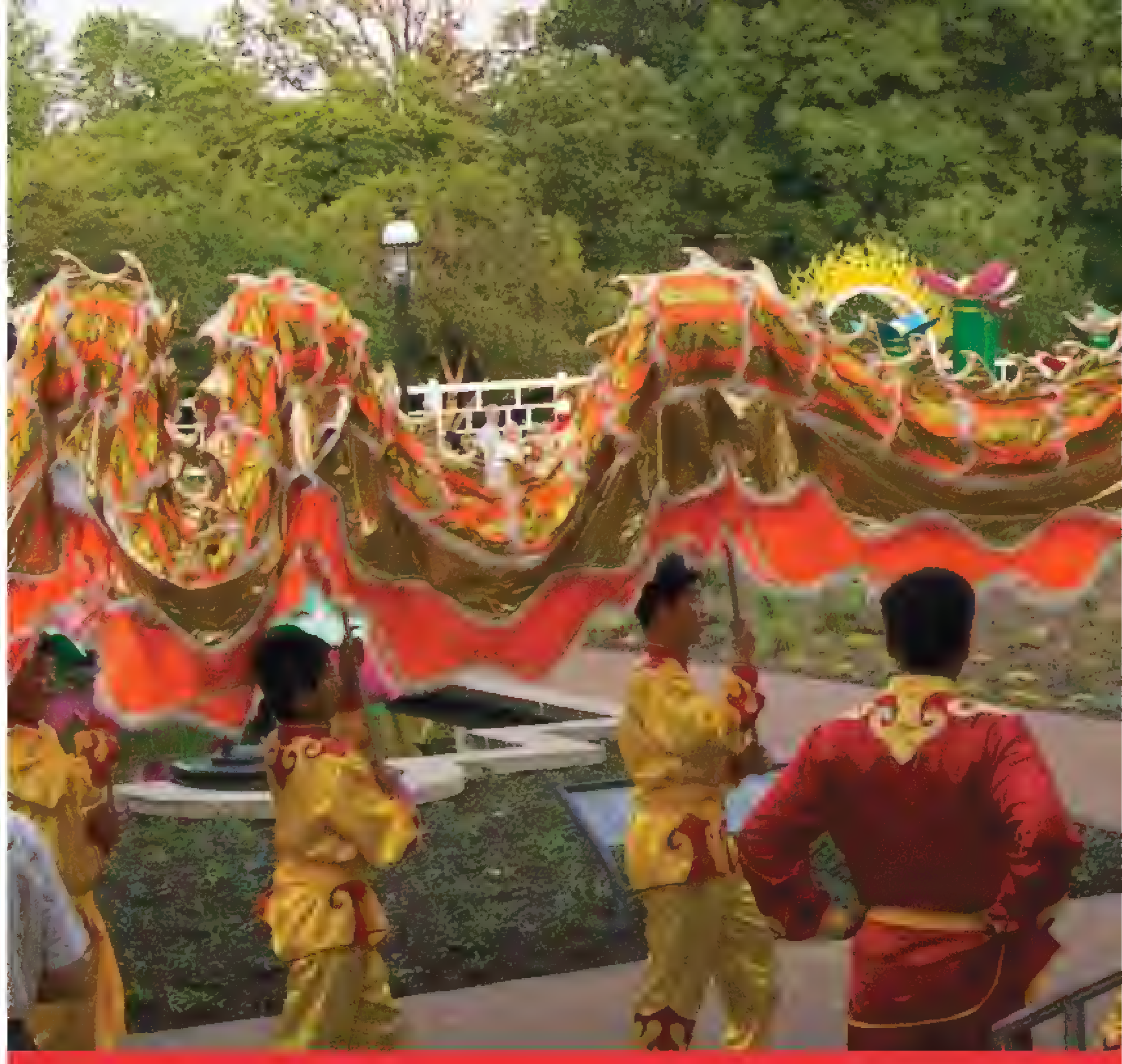
Seen at the Garden

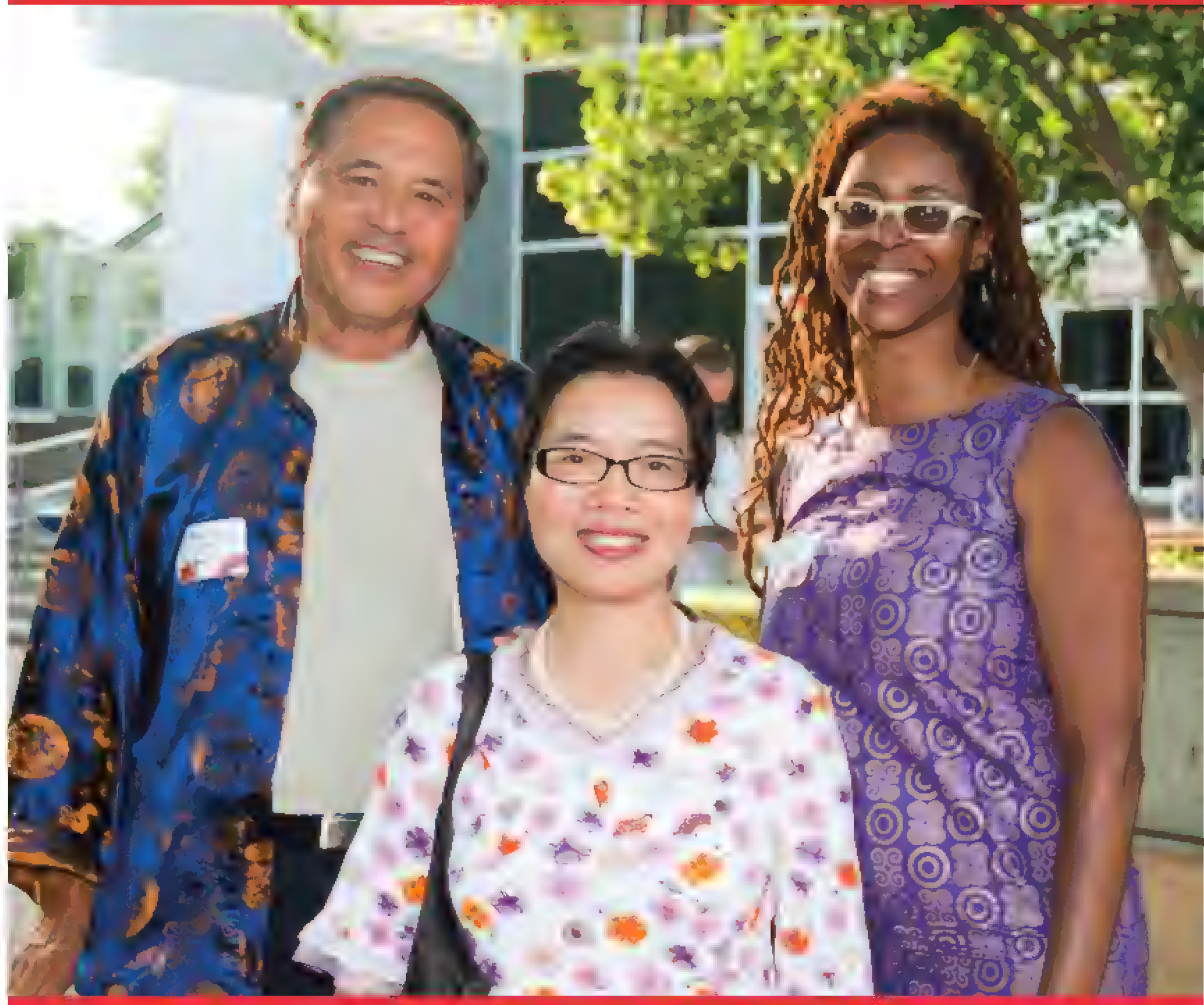
Grapes and the Garden

Saturday, May 5, 2012
Nearly 600 guests attended this afternoon event sponsored by Schnuck Markets. Over 100 wines were available for sampling, along with hors d'oeuvres and live music by the jazz trio Silk Pajamas.

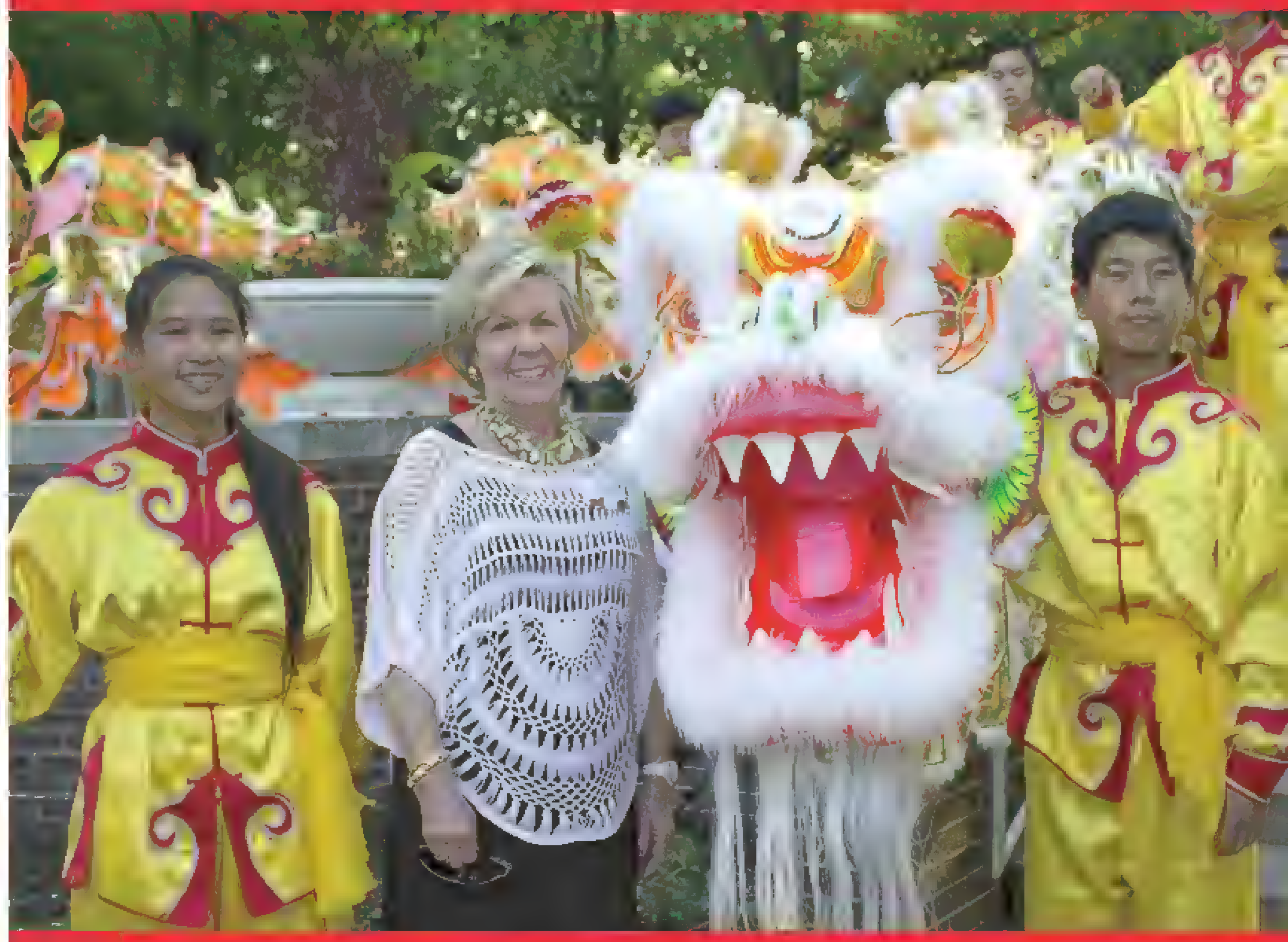
(photos by David Merrit)

CHABLIS
NOBLE ESTATE

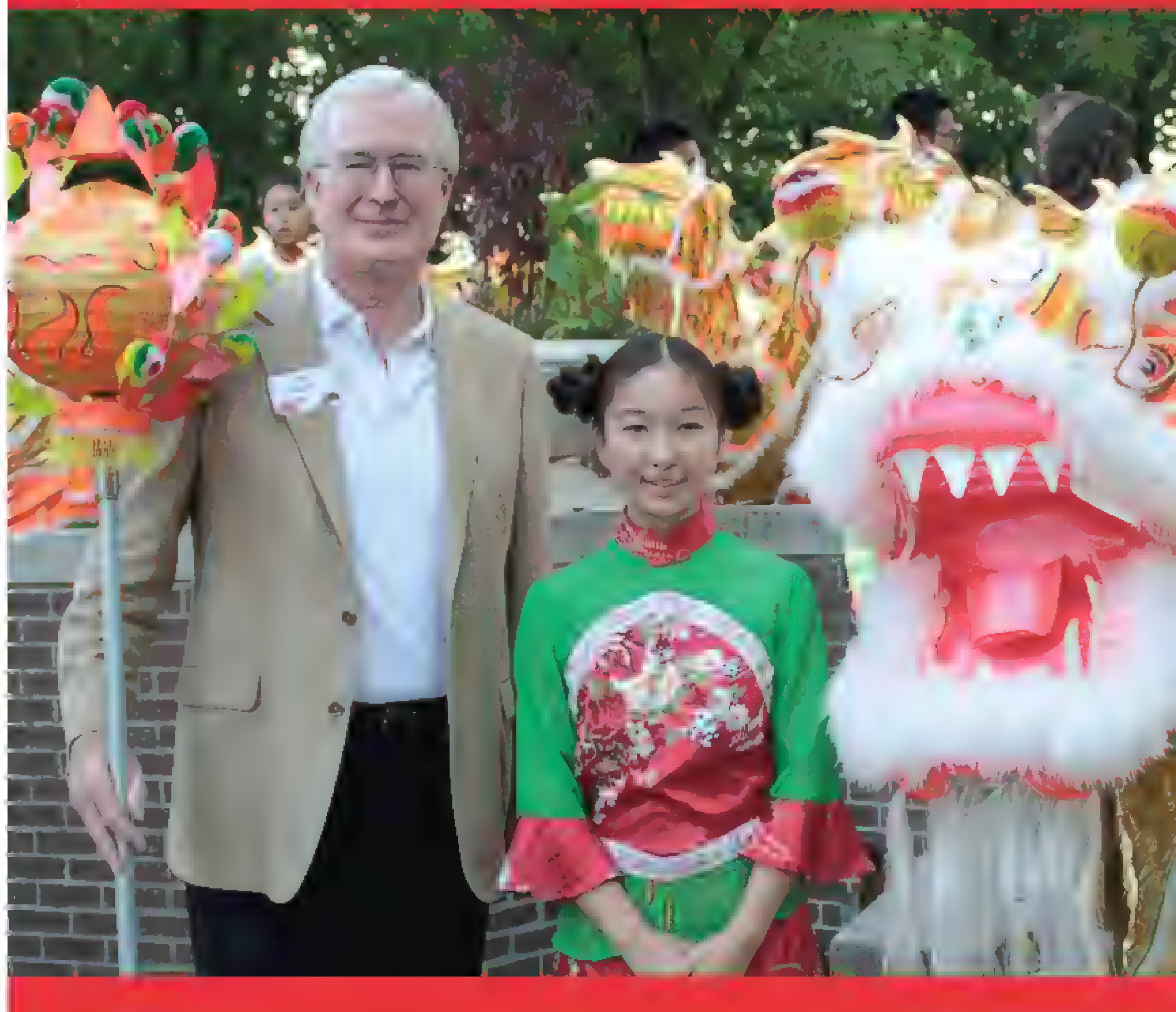




Austin Tao, Lydia Chen, and Rhoda Broussard



Judy and Gene Toombs



Ed and Lynne Higgins

MISSOURI BOTANICAL GARDEN
LANTERN 2012
燈會 FESTIVAL
ART BY DAY, MAGIC BY NIGHT

Atul Kamra, Dr. Peter Wyse Jackson, Steve Maritz, and David Farr

LANTERN FESTIVAL GALA

Friday, May 25, 2012

The Garden's spectacular summer exhibit got off to an equally spectacular start with a gala event attended by 547 members and guests. A 70-foot-long Chinese dragon led guests to Cohen Amphitheater for themed entertainment followed by the ceremonial first lighting of the lanterns. As of August 3, more than 110,000 visitors had attended the Garden's Lantern Festival.

(photos by Josh Monken, Chris Norton, and Mary Lou Olson)

Ann and Michael Konzen, Pat and Leo Konzen, Lisa and Kevin Konzen

Carolyn, Joe, and Jonathan Losos

Jackie Maritz, Dr. Peter Wyse Jackson, Steve Maritz, Jeanne Maritz, John and Linda Meyer

Events

Herbalooza

Thursday, September 6, 5:30 to 7:30 p.m., Doris Waters Harris Lichtenstein Victorian District
Join the St. Louis Herb Society and the Members' Board for an herb celebration! Enjoy live music and get advice from herb experts. Tickets: $10. Cash bar available. Guests must be 21. Reservations required: (314) 577-9570 or www.mobot.org/events.

Fall Wildflower Sale and Open Garden

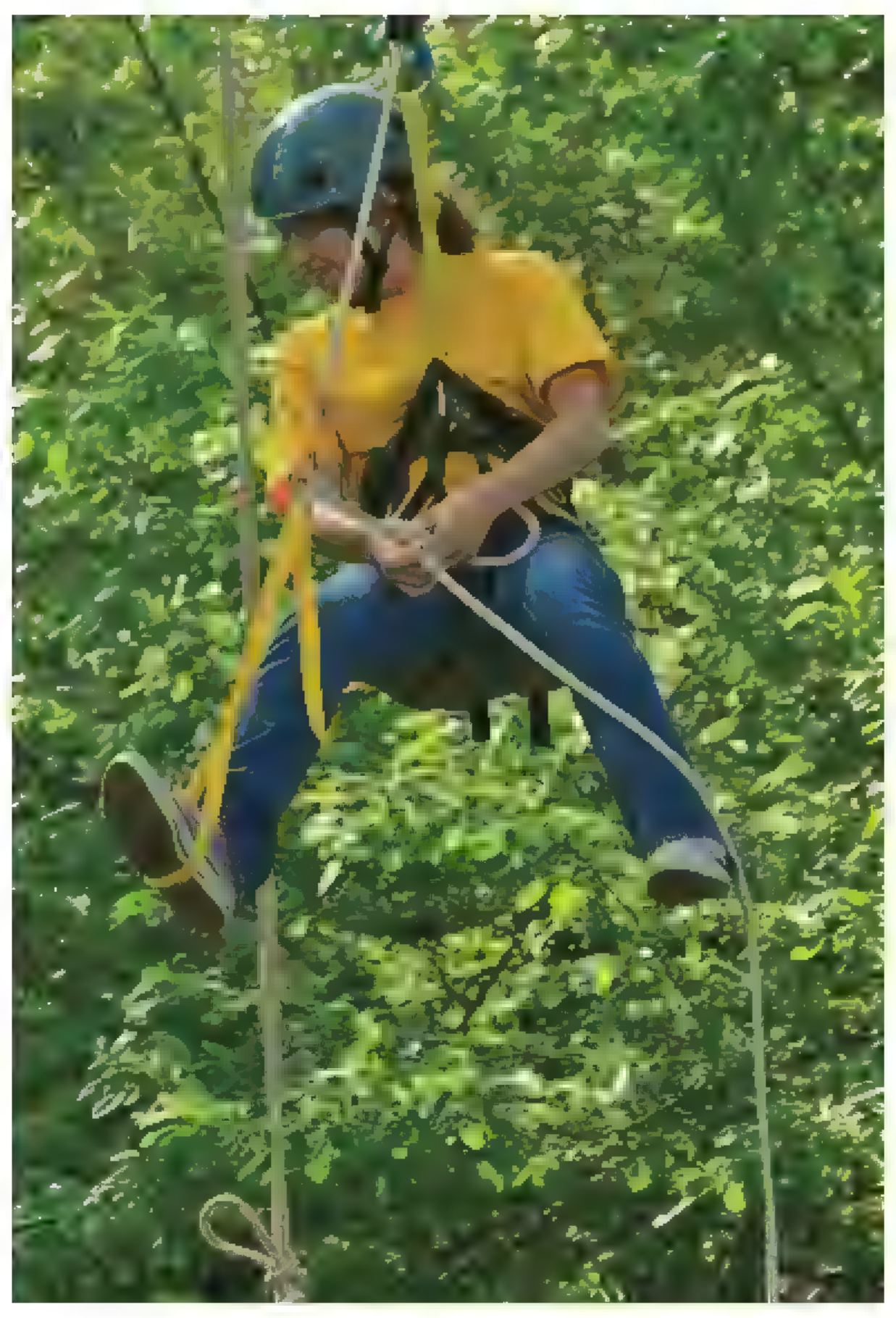
Friday, September 7, 4 to 8 p.m., Shaw Nature Reserve
Both new and experienced gardeners will want to check out this special plant sale and native landscaping event. Whitmire Wildflower Garden staff and guest experts will help with your gardening dilemmas and show you how to use native plants in landscaping. Admission: $5.

Japanese Festival

Saturday and Sunday, September 1 and 2, 10 a.m. to 8 p.m.; Monday, September 3 (Labor Day), 10 a.m. to 5 p.m.
The Garden's annual celebration of Japanese culture includes taiko drumming, bon odori festival dancing, martial arts, candlelight walks in the Japanese Garden, and more. Rain or shine.

Admission: $15 adults (13 to 64), $10 seniors (65+), $5 members and children (3 to 12), members' children free. Buy tickets in advance online at www.mobot.org. No trams, free hours, or early morning walking hours on signature event weekends.

Sponsorship support by Bodine Aluminum, Central States Coca-Cola Bottling Company, and Novus International.



Canopy Climb

Sundays, September 16 and 30, October 14 and 28, Missouri Botanical Garden and Shaw Nature Reserve
Take your passion for nature to new heights and explore trees like never before! You'll learn how to ascend into the canopy where you can sit on branches, limb-walk, lie in hammocks, or relax in a suspended chair. Climbers must be at least 8 years old. Sessions last 90 minutes and start at 9:30 a.m., 11:30 a.m., 1:30 p.m., or 3:30 p.m. $35 members, $43 nonmembers (per child or adult climber; child price includes Garden admission for one accompanying adult chaperone). Advance registration required: www.mobot.org/classes or (314) 577-5140.

Green Homes and Great Health Festival

Saturday, September 29, 9 a.m. to 4 p.m.
Learn how to live green—and live healthier! Bring your home improvement ideas and talk with over 100 green product and service exhibitors. Shop the Green Marketplace, talk with physicians and other health experts, and take advantage of free flu shots. Presented by the EarthWays Center of the Missouri Botanical Garden and Ameren Missouri. Included with Garden admission. Information: www.greenhomesstl.org.

Young Friends' Fest-of-Ale

Friday, October 19, 6 to 10 p.m., Spoehrer Plaza
Enjoy beer tastings from a variety of local breweries, appetizers, live music by the Dive Poets, and great networking. Price: $20 members, $30 nonmembers through October 7; after October 7, $25 members, $35 nonmembers. Advance reservations required; www.mobot.org/festofale or (314) 577-9570.

Best of Missouri Market®

Friday, October 5, 6 to 9 p.m.; Saturday and Sunday, October 6–7, 9 a.m. to 5 p.m. Members only: Saturday, 8 to 9 a.m.
Over 120 Missouri food producers and crafters offer some of the state's best products, from baked goods to toys, jewelry, and more. Outdoors under tents, rain or shine. Part of the American Arts Experience–St. Louis.

First Look Friday:
Enjoy an early chance to shop and dine at the market on Friday, October 5, 6 to 9 p.m.

Admission: $12 adults (13 to 64), $10 seniors (65+), $5 members and children (3 to 12), members' children free. Buy tickets in advance online at www.mobot.org. Please note: No trams, free hours, or early morning walking hours on signature event weekends.

Presented by Schnuck Markets. Additional sponsorship support by AgriMissouri, Blue Owl Restaurant & Bakery, Central States Coca-Cola Bottling Company, Commerce Bank, Drury Hotels Company, Edward Jones, Essence Healthcare, The Home Depot, Hussmann Corporation, KMOX, Mercy Children's Hospital, Ronnoco Coffee Company, Waterway Gas & Wash, and Wehrenberg Theatres.

photos by Glenda Abney, Jean McCormack, David Merrit, Josh Monken, Mary Lou Olson, Charles Schmidt, and Christine Siebert

Children's Garden Seasonal Closing

Saturday and Sunday, October 27 and 28, 9 a.m. to 3 p.m.
Celebrate the turning of the seasons with fun activities as we put the Children's Garden to bed! $5 per child; adults included with general Garden admission.

Gardenland Express

Wednesday, November 21 through Tuesday, January 1, 2013, Orthwein Floral Display Hall
The annual holiday flower and train show features model trains traveling through a miniature landscape of living plants. 9 a.m. to 5 p.m. daily; closes at 4 p.m. on Thanksgiving. Admission: Garden admission plus $5; free for members.

Members' Preview: Wednesday, November 28, 5 p.m.

Sponsorship support by CBIZ & Mayer Hoffman McCann P.C. and Central States Coca-Cola Bottling Company.

Holiday Wreath Exhibit/Auction

November 22 through January 2, Ridgway Visitor Center
Enjoy these unique floral creations by some of the area's finest floral designers. Bid on a wreath in a silent auction benefiting the Garden.

www.plasticpot
recycling.org
Through Oct. 31

JUST FOR MEMBERS

Members' Event: October Owls and Orchids

Tuesday, October 9, 5 p.m., Sophia M. Sachs Butterfly House
The population of owl butterflies increases from 150 to nearly 2,000 in October. Experience the conservatory full of these rare and beautiful flying insects on this special evening set aside for members. Reservations required for lecture at 6:30 p.m.; call (636) 530-0076, ext. 10.

Ghouls in the Garden

Sunday, October 28, 1 p.m.
Bring the little ones in costume for a fun-filled afternoon. Enjoy treats at themed stations. This members-only event is $5 for children 3–12, which includes free admission to the Doris I. Schnuck Children's Garden.

Reservations required: www.mobot.org/events

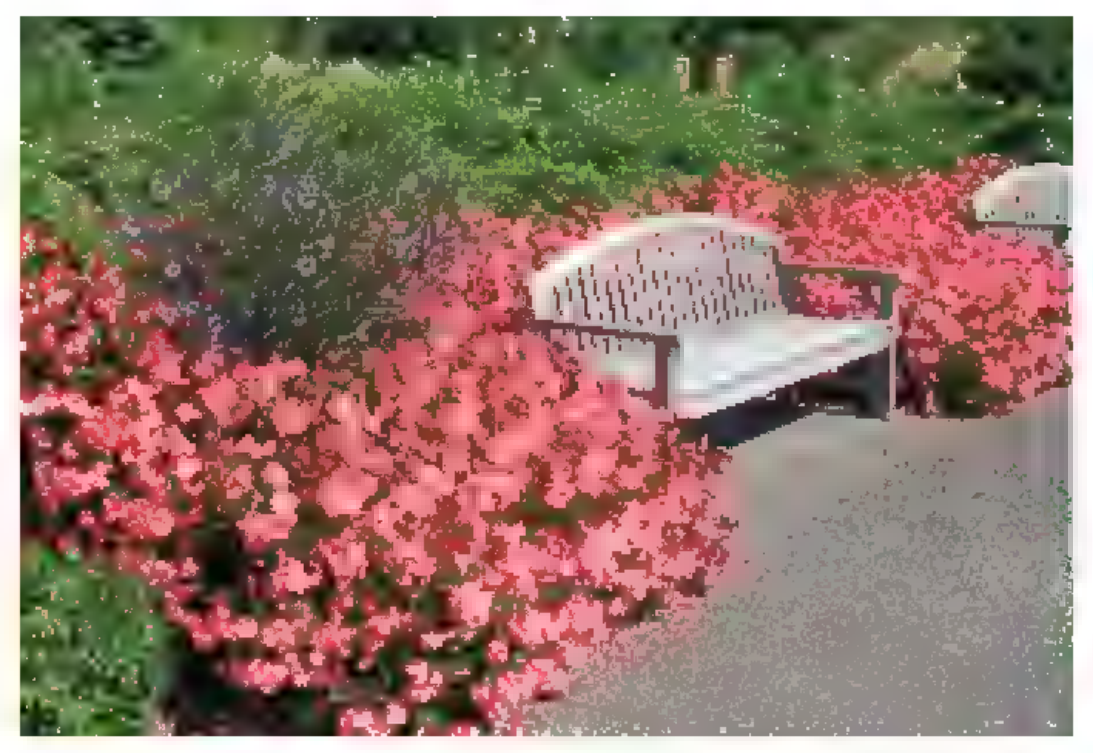
Members' Day: Holiday Decorating

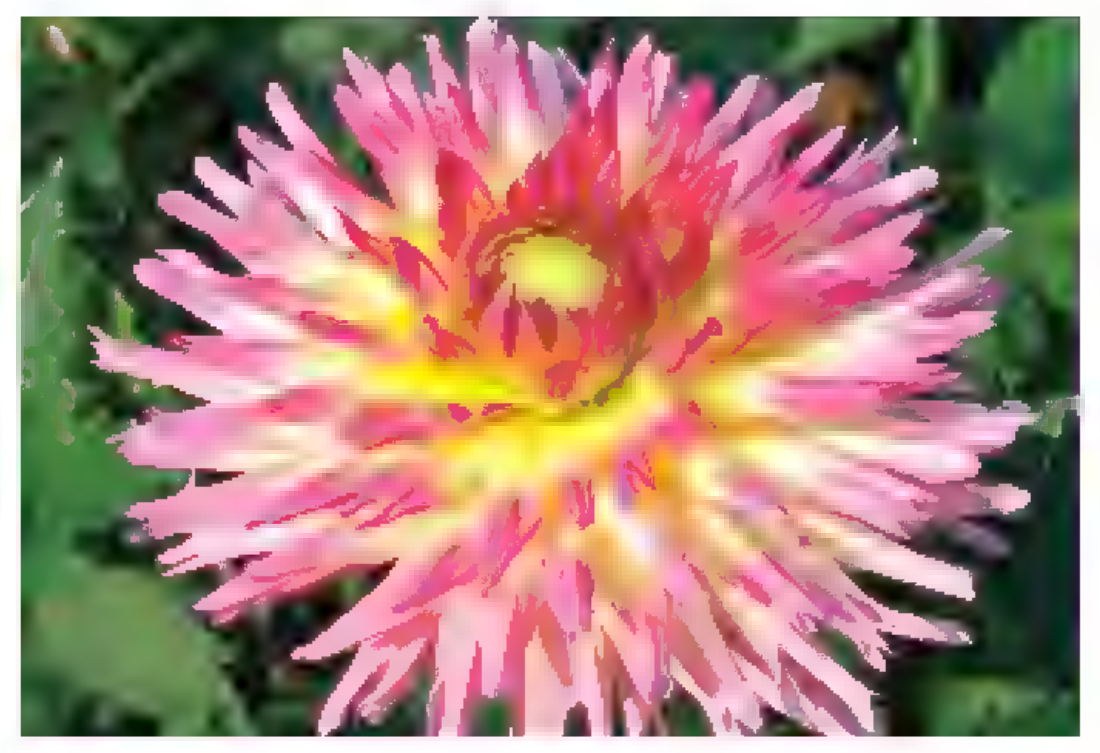
Thursday, November 15, 11 a.m., Shoenberg Theater
Get tips for bedecking your home for the holidays from experts at Mary Tuttle's Flowers. Reservations required: (314) 577-9570 or www.mobot.org/events.

September 2012

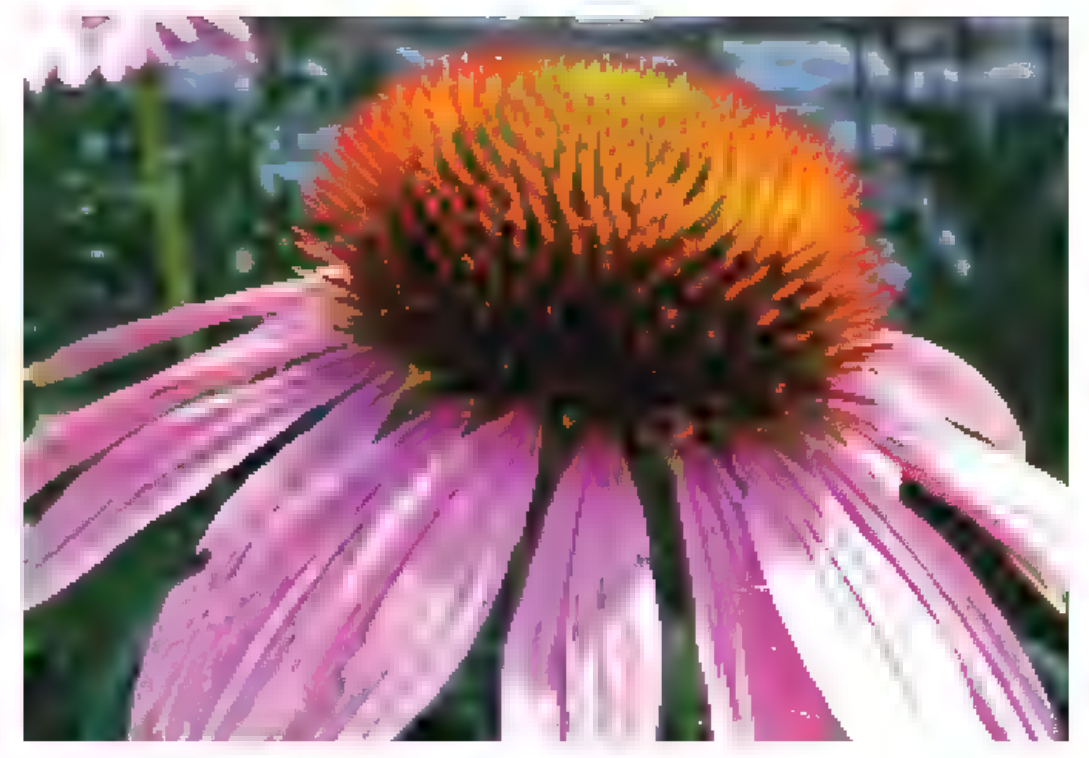
Average temperature: high 80.1°, low 60.3°
Average precipitation: 2.96 in.

What's in bloom?


begonia


dahlia

aster


coneflower

bluebeard

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Go Green for the Holidays! The Garden calendar and holiday cards are printed on 100% recycled paper. Purchase yours today in the Garden Gate Shop.					1 JAPANESE FESTIVAL 10 a.m. to 8 p.m. $ ■ "Plants and People: China," through Jan. 1. BC
2 JAPANESE FESTIVAL 10 a.m. to 8 p.m. $	3 **LABOR DAY** JAPANESE FESTIVAL 10 a.m. to 5 p.m. $	4	5 ■ Power Up with Essence. 7 to 11 a.m. RVC	6 ■ Herbalooza. 5:30 p.m. $ ☎ VD	7 ■ Fall Wildflower Sale and Open Garden. 4 p.m. $ SNR	8 ■ Power Up with Essence. 7 to 11 a.m. RVC ■ Greater St. Louis Iris Society Sale. RVC
9 ■ Greater St. Louis Iris Society Sale. RVC ■ Cafe Flora Brunch. 10 a.m. $ SP ■ Canopy Climb. $ ☎ SNR	10	11	12 ■ Power Up with Essence. 7 to 11 a.m. RVC	13 ■ Native Plant School: Reconstructing Tallgrass Prairies. 1 p.m. $ ☎ SNR	14	15 ■ Power Up with Essence. 7 to 11 a.m. RVC ■ Great Green Adventures. 10:30 a.m., 1:30 p.m. $ CHD ■ Daylily Assoc. Sale. RVC ■ Gesneriad Show/Sale. RVC ■ Prairie Day. 10 a.m. $ SNR
16 ■ Gateway West Gesneriad Society Show and Sale. RVC ■ Cafe Flora Brunch. 10 a.m. $ SP ■ Canopy Climb. $ ☎ MBG	17 **ROSH HASHANAH**	18	19 ■ Power Up with Essence. 7 to 11 a.m. RVC	20	21 ■ Around the World Wine Dinner: Spain. 6:30 p.m. $ ☎ ■ Spring bulb sale, through Sept. 24. GGS	22 ■ Power Up with Essence. 7 to 11 a.m. RVC ■ Rock Garden Society Sale, through Sun. RVC ■ Greater St. Louis Dahlia Society Show, through Sun. RVC
23 ■ Cafe Flora Brunch. 10 a.m. $ SP ■ Canopy Climb. $ ☎ SNR 30 ■ Cafe Flora Brunch. 10 a.m. $ SP ■ Canopy Climb. $ ☎ MBG	24	25	26 **YOM KIPPUR** ■ Power Up with Essence. 7 to 11 a.m. RVC	27	28	29 green homes great health FESTIVAL ■ 9 a.m. to 4 p.m.

photos by Emily Amberger, Lisa Francis and Christine Siebert

October 2012

Average temperature: high 68.3°, low 48.2°
Average precipitation: 2.76 in.

What's in bloom?

sunflower

gourds

pineapple sage

monk's hood

mums

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 ■ October Owls and Orchids, through Oct. 31 BH	2 ■ October Owls and Orchids Extended Hours. 4 to 7 p.m. BH	3	4	5 ■ "First Look Friday." 6 to 9 p.m. $	6 ■ 9 a.m. $ ■ Members only: 8 to 9 a.m. $
7 ■ 9 a.m. $ ■ Canopy Climb. $ ☎SNR	8 **COLUMBUS DAY**	9 ✿ Members' Event: October Owls and Orchids. 5 p.m. ☎ BH ■ October Owls and Orchids Extended Hours. 4 to 7 p.m. BH	10 ■ AARP Celebration of Life. 8 a.m.	11 ■ Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 3. 1 p.m. $ ☎ SNR	12 ■ Native Plant School: Small Flowering Trees, Shrubs and Vines, Part 3. 1 p.m. $ (phone) SNR ■ Native Plant School: Book Review 2: "Noah's Garden" by Sara B. Stein. 5 p.m. $ ☎ SNR	13
14 ■ Canopy Climb. 9:30 a.m. $ ☎ MBG	15	16 ■ October Owls and Orchids Extended Hours. 4 to 7 p.m. BH	17	18	19 ■ Young Friends' Fest-of-Ale. 6 p.m. $ ☎ MBG ■ Around the World Wine Dinner: Germany. 6:30 p.m. $ ☎ MBG	20 ■ Partners for Just Trade trunk show. GGS ■ Lily Society Sale. RVC ■ Great Green Adventures: Signs of Fall. 10:30 a.m. and 1:30 p.m. $ CHD ■ Daffodil Society Sale. RVC ■ Bootterflies. 11 a.m. BH
21 ■ Partners for Just Trade trunk show. GGS ■ Greater St. Louis Daffodil Society Sale. RVC ■ Bootterflies. 11 a.m. BH ■ Canopy Climb. $ ☎ SNR	22	23 ■ October Owls and Orchids Extended Hours. 4 to 7 p.m. BH	24	25	26 **EID-AL-ADHA**	27 ■ Children's Garden Closing. 9 a.m. to 3 p.m. $ CHD ■ Metropolitan St. Louis African Violet Council Show and Sale. RVC
28 ✿ Ghouls in the Garden. 1 p.m. $ (phone) ■ Children's Garden Closing. 9 a.m. to 3 p.m. $ CHD ■ African Violet Council Show and Sale. RVC ■ Canopy Climb. 9:30 a.m. $ ☎ MBG	29	30 ■ October Owls and Orchids Extended Hours. 4 to 7 p.m. BH	31 **HALLOWEEN** **Closing for the Season** ■ Children's Garden ■ Tram operations ■ Terrace Café at the Kemper Center for Home Gardening			

www.plasticpot
recycling.org
Through Oct. 31

KEY (All events take place at the Garden unless otherwise noted.)

BH	Butterfly House	KC	Kemper Center for Home Gardening	SP	Spink Pavilion
CA	Cohen Amphitheater	LS	Little Shop Around The Corner	ST	Shoenberg Theater in Ridgway Visitor Center
CBEC	Commerce Bank Center for Science Education	MC	Monsanto Center	🌿	Sassafras
CHD	Children's Garden	MH	Monsanto Hall in Ridgway Visitor Center	✿	Members-only event
CL	Climatron lawn	RVC	Ridgway Visitor Center	☎	Reservations required
GGS	Garden Gate Shop	SNR	Shaw Nature Reserve	$	Fee required
JE	Jordan Education Wing in the Visitor Center				

photos by Lisa Francis, Heather Marie Osborn, Leslie Patrice, Ryan Rumberger, Charles Schmidt

November 2012

Average temperature: high 53.8°, low 36.7°
Average precipitation: 3.71 in.

What's in bloom?

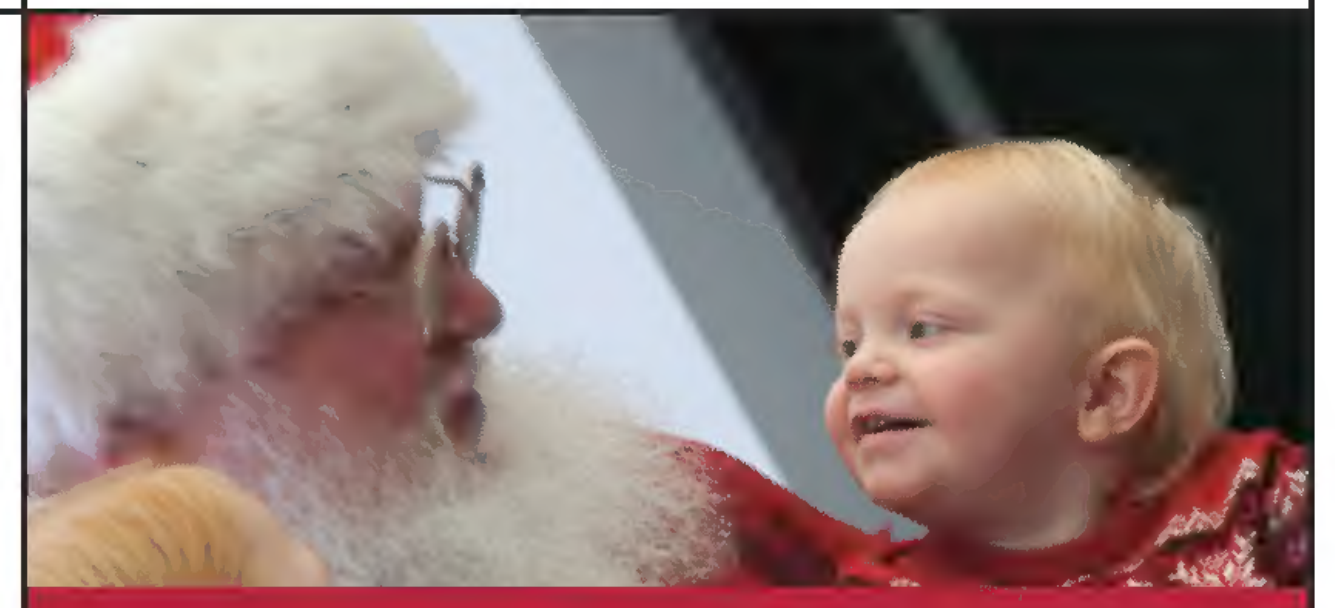
fall color

heliotrope

crown of thorns

pansies

straw flowers

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
gift of the GARDEN	Get a jump on holiday shopping! Buy Garden, Garden Plus, and Family level gift memberships at 20% off November 7–11 (Discounts apply to on-site sales only.)		**GARDENLAND EXPRESS** *November 21, 2012 through January 1, 2013*	1	2	3
4	5	6 **ELECTION DAY**	7 ■ Gift membership sale, through Nov. 11.	8	9	10 ■ Partners for Just Trade trunk show. GGS
11 **VETERANS' DAY** ■ Partners for Just Trade trunk show. GGS	12 **VETERANS' DAY** (observed)	13 **DIWALI**	14	15 **ISLAMIC NEW YEAR** ✿ Members' Day: Holiday Decorating. 11 a.m. ☎ ST ■ Science Café. "Women and Plants" 7 p.m. Herbie's Restaurant, 405 N. Euclid Ave.	16 ■ Around the World Wine Dinner: Greece. 6:30 p.m. $ ☎	17 ■ Great Green Adventures: Preparing for Winter. 10:30 a.m. and 1:30 p.m. $ CHD
18	19	20	21 ■ Gardenland Express opens, *through Jan. 1, 2013* ■ Victorian Christmas at Tower Grove House, *through Dec. 30*	22 **THANKSGIVING** ■ The Garden closes at 4 p.m. ■ The Butterfly House is closed. ■ Holiday Wreath Auction, through Jan. 2. RVC	23	24 ■ Rich LoRusso food tasting with recipes from *St. Louis Italians: The Hill and Beyond*, 11 a.m. GGS
25	26	27	28 ✿ Members' Preview: Gardenland Express	29	30	 **SAVE THE DATE!** **Breakfast With Santa,** ***Saturday, December 1***

photos by Kat Douglas, Lisa Francis, Darcy Heine, Lauren Kirkwood, and Charles Schmidt

Local Flavor

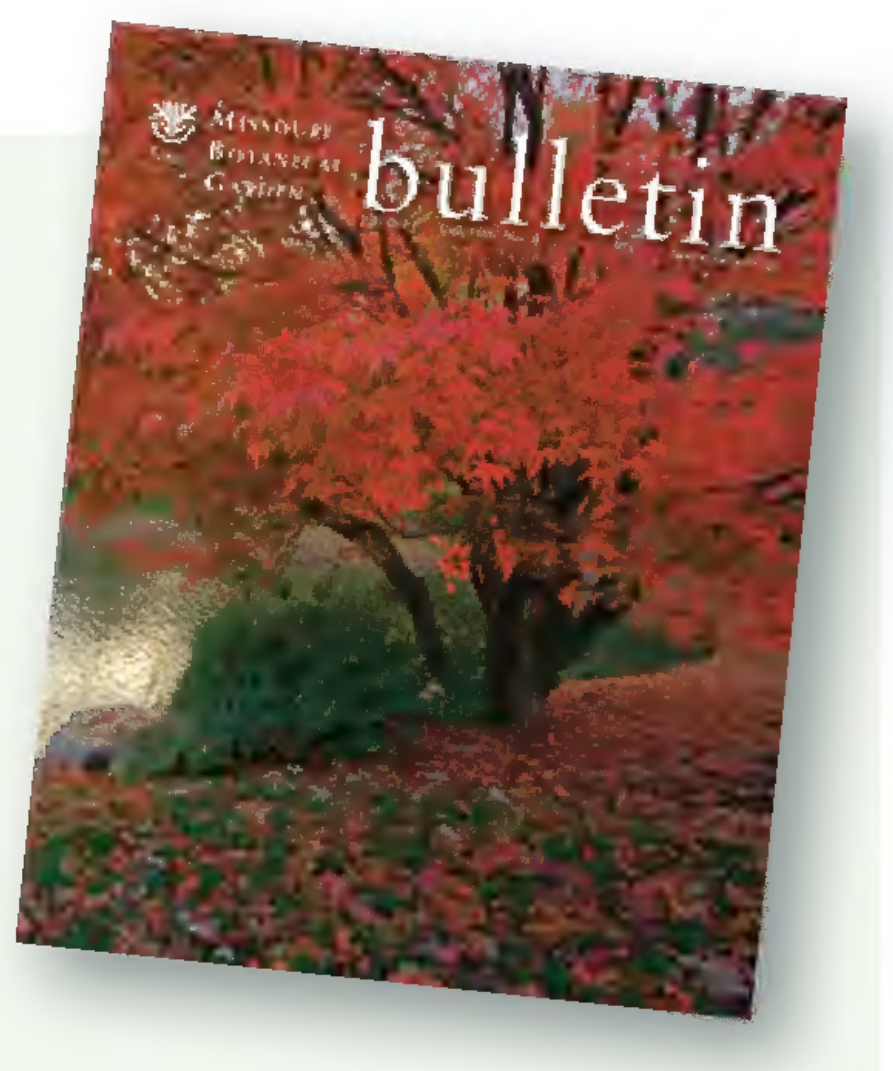
The Garden Gate Shop is always searching for great locally made products. Next time you visit the Garden drop by and check out our wide variety of tempting gourmet items and other unique gifts that are made right here in Missouri. Members always receive a discount.

THE BILLY GOAT CHIP COMPANY
Missouri Botanical Garden
ARABICA 100% COFFEE
caffe
OZARK FOREST
Wind
PREMIUM
CHOCOLATE·CHOCOLATE·CHOCOLATE
Bissinger's
APPLE GHOST CHILI Salt CARAMELS
Raspberry Yum
GUMMY PANDA
Chocolate
ORIGINAL GRINGO GEORGE'S
Black Bean and Corn
Forever Herbs
SUNRISE JALAPENO COMPOTE
kă·kā·ō
Marshmallow Pie
CHINESE FIVE SPICE BLEND
Missouri Harvest
A Guide to Growers and Producers in the Show-Me State
Maddie Earnest & Liz Fathman
Foreword by Joel Salatin of Food, Inc. fame
Scrumptious
PLUM GINGER Sauce
Missouri Wildflower HONEY
Elderberry Syrup

photo by Chris Norton

GARDEN
GATE SHOP.ORG

All proceeds benefit the Missouri Botanical Garden.



Ready to Go Electronic?

The Bulletin is available as a downloadable PDF for viewing onscreen on your computer. Sign up for the new online version by sending an e-mail to membership@mobot.org. Let us know if you'd like to forego your paper subscription to save trees.

You can also send an e-mail to membership@mobot.org if:

- ☐ Your name is misspelled
- ☐ Your address is incorrect
- ☐ You receive more than one copy
- ☐ You no longer wish to receive the *Bulletin*

MISSOURI BOTANICAL GARDEN
P.O. Box 299 • St. Louis, MO 63166–0299

PERIODICALS
POSTAGE PAID AT
ST. LOUIS, MO

MARKET
Cardinals

BEST of MISSOURI MARKET®

Friday, October 5, 6 to 9 p.m.; Saturday and Sunday, October 6–7, 9 a.m. to 5 p.m.

Over 120 Missouri food producers and crafters offer some of the state's best products, from baked goods to toys, jewelry, and more. Live music and Kids Corner activities. See page 19 for details. Presented by Schnuck Markets.

(photos by Jean McCormack, Mary Lou Olson, Heather Marie Osborn, and Charles Schmidt)